DOCUMENT RESUME

ED 139 420 IR 004 838

AUTHOR Burns, Robert W.
TITLE A Comparative Study of Charges Made Through an Automated Circulation System in the Colorado State University Libraries.
PUB DATE 76
NOTE 122p.

EDRS PRICE MF-$0.83 HC-$6.01 Plus Postage.
DESCRIPTORS Comparative Analysis; *Library Circulation; *Library Collections; Library Research; Statistical Data; *University Libraries; *Use Studies
IDENTIFIERS Colorado State University

ABSTRACT

To determine use of portions of the collections at Colorado State University libraries and to identify heavily used sections, the collections were divided into 204 blocks according to Library of Congress classification letters. The number of charges made in each block was counted during a 1975 quarter for patrons, charges made to the reserve desk, and interlibrary loan. The number of pieces within each block was estimated by dividing the linear inches of a block by its average thickness. A coefficient of use was calculated for each block by dividing the number of charges made by the number of pieces available. Multiplied by 100, this indicated that for each 100 items in a block, there were X circulations, and enabled comparison of blocks regardless of size. Both absolute circulation and coefficient of use identified three most heavily used blocks: BF (Psychology), HQ (The Family) and GV (Recreation). Sixteen blocks had zero use, and 47 percent had less that 100 circulations. The study concluded that: (1) some areas of the collections received higher proportionate use than size indicates; and (2) demands on portions of the collections can be monitored and usage compared, regardless of size. Statistical tables are included. (Author/KP)

****
* Documents acquired by ERIC include many informal unpublished *
* materials not available from other sources. ERIC makes every effort *
* to obtain the best copy available. Nevertheless, items of marginal *
* reproducibility are often encountered and this affects the quality *
* of the microfiche and hardcopy reproductions ERIC makes available *
* via the ERIC Document Reproduction Service (EDRS). EDRS is not *
* responsible for the quality of the original document. Reproductions *
* supplied by EDRS are the best that can be made from the original. *
****

ED139420

U S DEPARTMENT OF HEALTH,
EDUCATION & WELFARE
NATIONAL INSTITUTE OF
EDUCATION

THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS STATED DO NOT NECESSARILY REPRESENT OFFICIAL NATIONAL INSTITUTE OF EDUCATION POSITION OR POLICY

A COMPARATIVE STUDY OF CHARGES MADE THROUGH AN AUTOMATED CIRCULATION SYSTEM IN THE COLORADO STATE UNIVERSITY LIBRARIES

PERMISSION TO REPRODUCE THIS COPYRIGHTED MATERIAL HAS BEEN GRANTED BY

Robert W. Burns

TO ERIC AND ORGANIZATIONS OPERATING UNDER AGREEMENTS WITH THE NATIONAL INSTITUTE OF EDUCATION. FURTHER REPRODUCTION OUTSIDE THE ERIC SYSTEM REQUIRES PERMISSION OF THE COPYRIGHT OWNER

By: Robert W. Burns, Jr.
Assistant Director for
Research Services

Ft. Collins, Colorado State University Libraries, 1976

IR004 838

OUTLINE

I. Introduction

II. Purpose of Study

III. Methodology

1. Discussion

2. Methodological Weaknesses In Study

3. Study Does Not Include

4. Study Does Include

IV. Findings

V. Conclusions

TABLES AND HISTOGRAM

I. Table of Collection Use/Size: Raw Data

II. Collection Size and Use: Summary of Table I

III. LC Call Number Blocks Arranged By Their Coefficient of Use.

IV. LC Call Number Blocks Arranged By Their Absolute Circulation Totals

V. LC Call Number Blocks For Which Zero Circulation Was Recorded.

VI. Histogram Showing The Distribution of Circulation Rates By LC Call Number Blocks.

1. INTRODUCTION

This study compares the number of physical pieces available with the number of item/uses made during the Winter Quarter of 1975. It does this by means of a ratio which indicates use per available piece (the number of item/uses called U divided by the number of physical pieces available called A written U/A). This ratio is referred to here as the coefficient of use for a given call number block. Its reciprocal, expressed as A/U, describes the relationship between the number of pieces available for each item/use and could be thought of as a coefficient of non-use.

This conceptual approach to the analysis of collection use represents a departure from the more traditional measure of circulation in terms of absolute numbers and is intended to minimize the criticism which a simple quantitative approach often draws. Specifically, the approach suggested here answers the critic who states that high use comes about only because there are more library items available in a particular block. It enables one to compare the demands being made upon each block with those on every other block independently of the size of the block, and to arrange them in order by a ratio or percentage.

The use made of a collection can also be thought of as demand pressure. Demand pressure as it is used here is described as the number of item/uses made (check outs or C/O) for each 100 items available in any given block were collection use to be spread evenly throughout the entire block. In this context, one item used 10 times is equivalent to 10 items each used once.

One final point should be noted. The coefficient of use ratio was not felt to be as valuable in dealing with blocks of very small size, i.e. those with less than 25 circulating items, because of the disproportionate impact left by the presence or absence of one item.

II. PURPOSE OF STUDY

This study was performed in order to discover if certain portions of the libraries collections are used more heavily than others and, if so, to identify such sections by broad (letters) LC classification. The investigation will rank all LC blocks in order by their "use" factors, both absolute and proportionate.

III. METHODOLOGY

1. Discussion. The following steps were used in collecting data for this study:

   a. The collection was divided into 204 discrete blocks as defined by the initial classification letter(s) used in the Outline of the Library of Congress Classification, 2nd ed., 1970; together with any additions made since this date.

   b. Count the number of actual uses or charges made in each block during the period January 1, 1975 to March 31, 1975 for students, faculty, staff, non-CSU, reserve, station, or ILL users and total. Note that all charges in the category reserve, are charges made to the Reserve Desk and not from the Reserve Desk. Note, too, that charges made to ILL and charges made to station numbers are also treated as being made to a user. This latter is especially important since it includes items charged to the ESBL and the Atmospheric Science Library.

c. Estimate the number of physical pieces to be found within each call number block. A number of solutions were available to solve this problem as follows:

1. Measure the number of linear inches of consumed space in each block and divide by a constant such as 1.2 inches per volume suggested by N. Kaske at the University of California, or 1.4 inches per volume used at Northwestern University for its collections. Both numbers were ruled out when it was discovered that the variations in thickness of the books from one block to another were statistically significant.
2. A second solution was to use a count taken from the shelf list. This was viewed as undesirable in light of a recent study showing that one card seldom equals one piece.
3. The procedure finally adopted was to measure the number of linear inches occupied by a block and divide by the average thickness of books in that block. To this was added the number of C/O from the DAR and the number of items in the storage P/O at the moment of count.

   Most blocks were sampled to determine the average thickness of a book in that block. Five shelves were selected at random from these blocks. The number of pieces were then counted in the first 20 inches on each of these five shelves giving the number of pieces in 100 inches from each block. In those cases where the number of shelves was equal to or less than 6, we counted the total number of pieces and divided it into the number of inches to find the average size of a single piece

in that block. By multiplication and/or direct count, as the case required, we then determined the actual number of books in all blocks.

4. The study was now ready to determine a coefficient of use for each block within the collection. This was done by dividing the number of actual charges or uses (called U) by the number of pieces available (called A). This says that each available piece was used Y times were use to be spread evenly over the entire call number block having that class letter prefix. In order to make this ratio more easily understood, we then multiplied it by 100. This says in effect that for each 100 items found in any given block, there were X circulations. Both ratios enable us to compare blocks independently of their size differential thereby satisfying the goal of our study.

2. Methodological Weaknesses in Study.

   a. Extreme volatility of the data made control and data acquisition occasionally a problem.

   b. Because of the way LC classes were counted, the impact of any deviation between classes is inversely proportional to the number of items in that class. For example, in a block containing only 5 items, failure to detect one item will cause greater variation in findings than the failure to locate one item in an LC block containing 50 items.

   c. We did not attempt to capture items in process (i.e., on tables or waiting to be C/O) at the time a count was taken.

d. There are items on the shelf (counted in the linear inches of used space) which do not circulate and are marked "Do Not Circulate" on inside cover.

e. The number of shelves (Col 1 of Table 1) cannot be summed to discover the total number of shelves in the building because of the overlap, i.e., two or more blocks on one shelf.

f. The average thickness of a single piece (Col 3 of Table 1) was calculated using the items on the shelf at the time the count was taken and does not include items in storage or use.

g. Items C/O before the survey began and still out while the survey was taken were not counted as charges. The author found only one instance of this involving three pieces (AI Titles In Series) and does not believe the occurrence of such behavior to be widespread enough to influence these findings. For additional discussion see Paragraph 4 under Part III. 3. of this report.

3. Study Does Not Include:

a. Microfilms.

b. Items marked Reference and Science/Reference.

c. McBee Card check outs.

d. Items checked out before the dates of the survey but returned during survey period. For example, an item C/O in 1974 and returned in February 1975 would not be counted here as a C/O.

e. More than summary data from the LH block of the classification system. This covers school newspapers.

f. Items in the U.S. Government Documents, Technical Reports, Curriculum, Newspapers, Special, X, and Dewey collections as well as unbound maps, and steel display shelves.

g. Charges made to the Bindery and to Cataloging Department.

h. Charges made from ESBL. Does include charges made to ESBL.

4. Study Does Include:

a. All Library of Congress books except those mentioned earlier, items in current awareness room, books in process of returning to shelves from discharge, books in Harmony storage or second level of third floor, and items in the DAR.

IV. FINDINGS

1. The ten most heavily used blocks arranged in order by their absolute circulation rate from highest to lowest number were as follows. A complete list may be seen in Table IV.

Call No. Block	Absolute Circulation*
BF Psychology	3265
PZ Fiction	2981
QH Natural History	2896
QL Zoology	2670
E History	2398
SF Animal Culture	2175
QA Mathematics	2097
RC Internal Medicine	2013
QC Physics	1998
QP Physiology	1904

*Does not include McBee Charges.

2. The ten most heavily used blocks arranged in order by their coefficient of use from the highest to least frequently used are given below.* A list of all blocks arranged in order by their coefficient of use accompanies this report as Table III.

Call No. Block	Coefficient of Use	For Each 100 Pieces There Were X Circulations
HQ The Family	.78273	78.273
GT Manners & Customs	.62155	62.155
BQ Buddhism	.5438596	54.386
NC Drawing, Design, Illustration	.54189	54.189
GV Recreation	.523810	52.381
MT Music Instruction	.52262	52.262
GF Anthropogeography	.50299	50.299
RJ Pediatrics	.48539	48.539
ND Painting	.45724	45.724
CC Archaeology	.45411	45.411

*Call Number Block A (General) was discarded because of its small size.

3. Three call number blocks were found among the top twenty in the two tables which ranked the collection by use. See Tables III and IV. These blocks were: BF (Psychology), HQ (The Family), and GV (Recreation). These blocks were heavily used both in absolute terms and in terms of their coefficient of use.

4. Sixteen blocks were found which had zero use during the period of this study. Investigators were unable to determine the number of pieces in one block (LH College and School Magazines and Papers). A list of these are given as Table V.

5. There were 12 blocks in which the number of folios owned by the Libraries exceeded the number of regular volumes. These were AM (Museums), AN (Newspapers), TH (Building Construction), TJ (Mechanical Engineering), TK (Electrical Engineering), TL (Motor Vehicles and Aeronautics), DL (Scandinavia), VG (Minor Services of Navies), M (Music), NA (Architecture), NC (Drawing, Design and Illustrations), and PT (Germanic Literatures).

6. There were 118 blocks from which no items had been sent to storage. A list of these accompanies this report in Table I.

7. Most (47%) of the 204 blocks had less than 100 circulations. See Table VI.

V. CONCLUSIONS

1. There are subject areas (call number blocks) in the collection which receive a higher proportionate (U/A) use than their size would seem to warrant. Such blocks are easily identified by the user pressure exerted on them as seen in their circulation rates.
2. The distribution of such use (See Table VI) among the call number blocks is not a normal or bell shaped curve but a hyperbola.
3. It is possible to monitor over time the demands being made of selected portions (defined here by their LC class letters) of the collection and to compare this use independent of any differences in actual numbers of volumes within each block. Such a use factor is referred to here as a coefficient of use and is determined for each block.

TABLE 1

TABLE OF COLLECTION USE/SIZE: RAW DATA

CALL NUMBER BLOCK & NAME	Col.1 Occupied Shelves R + F	Col.2 Linear Inches R + F	Col.3 ^ X Thickness of Items in Call #	Col.4 ^ E # of Pieces on Shelf at Time of Count	Col.5 Lines* in DAR P/O at Time of Count ♀	Col.6 Lines* in Storage at Time of Count ♀	Col.7 Total # of Pieces in Block = A	Col.8 ^ a.Students	b.Faculty	c.Staff	d.Non-CSU	e.Reserve	f.Station	g.ILL	Col.9 Total Uses =U**	Col.10 Coefficient of Use Col.9 / Col.7 = U/A	Col.1 For E 100 P Avail There Were Used X =
1 A General	1	2"	.6[illegible]"	3	0	0	3	0	5	0	0	1	1	0	7	2.3333	233.33
2 AC Collected Works	31	640"	1.3"(R) 1.02"(F)	488(R) 6(F)	7	0	501	5	8	0	0	0	0	0	13	.0259481	2.59
3 AE Encyclo-pedias	52	1204"	2.362"(R) 2.599"(F)	356(R) 140(F)	0	44	540	11	2	0	1	0	0	0	14	.0259259	2.59
4 AG Diction-aries	6	112"	1.44"(R) 1.67"(F)	71(R) 6(F)	3	11	91	7	1	0	0	0	0	1	9	.0989	9.89
5 AI Indexes	14	281.5"	1.232"(R) 1.625"(F)	223(R) 4(F)	3	2	232	0	0	0	0	0	0	0	0	0	0
6 AM Museums	8	155"	.98"(R) 1.61"(F)	59(R) 60(F)	2	0	121	2	0	0	0	0	1	0	3	.024793	2.47

** Does not include manual charges
R= Non-Folio Pieces
F= Folio Pieces
* 1Line = 1 Piece

♀ Includes both Folio and Regular Intermixed as of September 1975
C/O= Checked Out
P/O= Computer Print-Out

^ These are for Charges made during the Period 1/1/75 to 3/31/75

TABLE I

TABLE OF COLLECTION USE/SIZE: RAW DATA

CALL NUMBER BLOCK & NAME	Col.1 Occupied Shelves R + F	Col.2 Linear Inches R + F	Col.3 Δ X Thickness of Items in Call #	Col.4 ∧ E # of Pieces on Shelf at Time of Count	Col.5 Lines* in DAR P/O at Time of Count Φ	Col.6 Lines* In Storage at Time of Count Φ	Col.7 Total # of Pieces in Block = A	Col.8 ∧ a.Students	b.Faculty	c.Staff	d.Non-CSU	e.Reserve	f.Station	g.ILL	Col.9 Total Uses =U**	Col.10 Coefficient of Use Col.9 / Col.7 = U/A	Col. For 100 Avai There Were Used X =
7 Newspapers AN	2	6"	2.2"(R) 1.65"(F)	1.36" 2."	0	0	3	0	0	0	0	0	0	0	0	0	0
8 Periodicals AP General	437	8171"	1.886"(R) 1.792"(F)	4446.	117	4650	9213	348	26	8	5	0	5	0	392	.042549	4.254
9 Academies & Learned AS Societies	153	2459	1.316"(R) .909"(F)	1649 318	15	0	1982	15	4	0	2	1	4	2	28	.0141271	1.412
T0 Yearbooks, Almanacs, AY Directories	20	364" 0(F)	1.432" 0	254	0	0	254	1	0	0	0	0	0	0	1	.003937	0.393
T1 History of AZ Science	8	121"	.804"(R) 1item (F)	149 1	4	0	154	11	0	0	0	1	0	0	12	.077922	7.792
12 Bibliography Z Library Science	699	17159"	1.087"(R) 1.487"(F)	11343 3248	297	665	15,553	203	115	11	56	4	100	5	494	.0317623	3.176

TABLE 1

TABLE OF COLLECTION USE/SIZE: RAW DATA

CALL NUMBER BLOCK & NAME	Col.1 Occupied Shelves R + F	Col.2 Linear Inches R + F	Col.3 Δ X Thickness of Items in Call #	Col.4 Λ E # of Pieces on Shelf at Time of Count	Col.5 Lines* in DAR P/O at Time of Count ♀	Col.6 Lines* in Storage at Time of Count ♀	Col.7 Total # of Pieces in Block = A	Col.8 Λ a.Students	b.Faculty	c.Staff	d.Non-CSU	e.Reserve	f.Station	g.ILL	Col.9 Total Uses =U**	Col.10 Coefficient of Use Col.9 / Col.7 = U/A	Col.11 For Ea 100 Pi Availa There Were X Used X =
13 Science QC (General)	2558	9643	1.351"(R) 2.028"(F)	4823 1542	142	1625	8132	582	310	13	54	3	36	17	1015	.1248155	12.481
14 Mathematics QA	452	12878	1.45"(R) 1.115"(F)	8108 1005	749	227	10090	1056	722	28	90	26	167	8	2097	.2078295	20.782
15 QB Astronomy	56	1603	1.075"(R) 1.069"(F)	1329 163	45	200	1737	112	23	18	5	0	43	0	201	.11571675	11.571
16 QC Physics	526	15571	1.315"(R) 1.49"(F)	10483 1199	701	342	12725	767	496	12	58	14	638	13	1998	.15701375	15.701
17 Chemistry QD	479	13566	1.53"(R) 1.592"(F)	7631 1188	510	1163	10492	737	544	25	96	17	68	12	1499	.142871	14.287
18 Geology QE	164	4909	1.216"(R) .844"(F)	3741 427	161	731	5060	311	142	0	44	18	58	2	575	.11363636	11.363

TABLE 1

TABLE OF COLLECTION USE/SIZE: RAW DATA

CALL NUMBER BLOCK & NAME	Col.1 Occupied Shelves R + F	Col.2 Linear Inches R + F	Col.3 ∧ X Thickness of Items in Call #	Col.4 ∧ E # of Pieces on Shelf at Time of Count	Col.5 Lines* in DAR P/O at Time of Count Φ	Col.6 Lines* in Storage at Time of Count Φ	Col.7 Total # of Pieces in Block = A	Col.8 ∧ a.Students	b.Faculty	c.Staff	d.Non-CSU	e.Reserve	f.Station	g.ILL	Col.9 Total Uses =U**	Col.10 Coefficient of Use Col.9 / Col.7 = U/A	Col.11 For Each 100 Piec Available There Were X Used X =
9 Natural H History	450	12158"	1.653"(R) 1.42"(F)	6731 726	453	1769	9679	1896	684	30	174	34	58	20	2896	.299205	29.920446
0 K Botany	257	6750"	1.406"(R) 1.122"(F)	4620 226	235	1035	6117	935	312	7	94	27	20	13	1408	.230178192	23.017819
1 L Zoology	469	12590"	1.493"(R) .929"(F)	7713 1162	462	1421	10758	2019	336	32	194	22	30	37	2670	.2481873	24.81873
2 M Human Anatomy	31	652"	1.034"(R) .801"(F)	558 94	67	174	893	289	38	5	9	6	4	0	351	.39306	39.30571
3 S Physiology	303	8225"	1.788"(R) 1.036"(R)	4525 129	392	1027	6074	1128	502	34	81	11	37	11	1904	.3134672	31.34672
4 R Micro-biology	120	2954"	1.702"(R) 1.48" (F)	1689 53	228	552	2523	661	228	10	48	8	8	3	966	.3828775	38.28775

TABLE 1

TABLE OF COLLECTION USE/SIZE: RAW DATA

CALL NUMBER BLOCK & NAME	Col.1 Occupied Shelves R + F	Col.2 Linear Inches R + F	Col.3 ∧ X Thickness of Items in Call #	Col.4 ∧ E # of Pieces on Shelf at Time of Count	Col.5 Lines* in DAR P/O at Time of Count ℗	Col.6 Lines* in Storage at Time of Count ℗	Col.7 Total # of Pieces in Block = A	Col.8 ∧ a.Students	b.Faculty	c.Staff	d.Non-CSU	e.Reserve	f.Station	g.ILL	Col.9 Total Uses =U**	Col.10 Coefficient of Use Col.9 / Col.7 = U/A	Col.11 For E 100 P Avail There Were Used X =
25 Medicine R (General)	233	5739"	1.426"(R) 1.67" (F)	3141 755	73	1785	5753	317	136	5	41	1	12	2	514	.0893446	8.9344
26 Public As- RA pects of Medicine	114	2760"	1.553"(R) 1.387 (F)	1652 140	130	579	2501	362	86	10	30	1	9	2	500	.19992	19.992
27 Pathology RB	82	1827"	1.426"(R) .97"(F)	1265 24	58	482	1829	133	88	4	23	0	8	0	256	.1399671	13.996
28 Internal RC Medicine	466	10295	1.142"(R) 1.317"(F)	8791 194.	431	1640	11056	1614	166	12	158	14	33	16	2013	.182073	18.207
29 Surgery RD	151	3044	1.208"(R) .968"(F)	2416 129	52	1001	3599	203	47	1	13	6	3	1	274	.0761322	7.613
30 Ophthal- RE mology	44	1500	1.193"(R) .96"(F)	1244 17	25	246	1532	24	14	4	3	1	1	0	47	.0306788	3.067

22

23

TABLE I

TABLE OF COLLECTION USE/SIZE: RAW DATA

CALL NUMBER BLOCK & NAME	Col.1 Occupied Shelves R + F	Col.2 Linear Inches R + F	Col.3 ∧ X Thickness of Items in Call #	Col.4 ∧ E # of Pieces on Shelf at Time of Count	Col.5 Lines* In DAR P/O at Time of Count ✞	Col.6 Lines* In Storage at Time of Count ✞	Col.7 Total # of Pieces in Block = A	Col.8 ∧ a.Students	b.Faculty	c.Staff	d.Non-CSU	e.Reserve	f.Station	g.ILL	Col.9 Total Uses =U**	Col.10 Coefficient of Use Col.9 / Col.7 = U/A	Col.11 For Ea 100 Pi Availab There Were X Used X =
31 RF Otorhinolaryngology	26	577"	1.575"(R) .8?"(F)	367.2 7.1428	12	162	548	29	2	0	11	6	1	0	49	.089416	8.9416
32 RG Gynecology Obstetrics	24	569"	1.271"(R) 1.21"(F)	438 10	49	81	578	173	39	4	13	0	3	0	232	.401384	40.1384
33 RJ Pediatrics	56	1317"	1.441"(R) 1.1"(F)	906 10	64	81	1061	431	36	11	21	8	6	2	515	.4853911	48.5391
34 RK Dentistry	17	386"	1.672"(R) .55" (F)	230 2	6	57	295	19	2	0	4	0	2	2	29	.098305	9.8305
35 RL Dermatology	10	207"	1.44"(R) 1.17"(F)	137 8	1	69	215	0	0	0	0	0	0	0	0	0	0
36 RM Therapeutics Pharmacology	100	2358"	1.354"(R) 1.469"(F)	1595 136	95	492	2317	405	82	2	28	13	9	0	539	.2326283	23.2628

24

25

TABLE I

TABLE OF COLLECTION USE/SIZE: RAW DATA

CALL NUMBER BLOCK & NAME	Col.1 Occupied Shelves R + F	Col.2 Linear Inches R + F	Col.3 ∧ X Thickness of Items in Call #	Col.4 ∧ E # of Pieces on Shelf at Time of Count	Col.5 Lines* in DAR P/O at Time of Count Φ	Col.6 Lines* in Storage at Time of Count Φ	Col.7 Total # of Pieces in Block = A	Col.8 ∧ a.Students	b.Faculty	c.Staff	d.Non-CSU	e.Reserve	f.Station	g.ILL	Col.9 Total Uses =U**	Col.10 Coefficient of Use Col.9 / Col.7 = U/A	Col.11 For Each 100 Pieces Available There Were X Uses X =
57 Pharmacy & WS Materia Medica	27	612"	1.169"(R) 1.49"(F)	427 76	3	182	688	10	16	0	7	0	0	0	33	.0479651	4.79651
58 NT Nursing	5	118"	.91"(R) 1.8" (F)	61.538 34.44	2	39	137	14	1	0	3	0	2	0	20	.1459854	14.59854
59 Botanic & WV Eclectic Medicine	0	0	0	0	0	6	6	0	0	0	0	0	0	0	0	0	0
60 Homeopathy WX	1	1 Bk.	1."	1	0	0	1	0	0	0	0	0	0	0	0	0	0
61 Other Sys- WZ tems of Medicine	1(R)	27"(R)	1.17"(R)	26	1	2	26	3	0	0	0	0	0	0	3	.1153846	11.5384

TABLE 1

TABLE OF COLLECTION USE/SIZE: RAW DATA

CALL NUMBER BLOCK & NAME	Col.1 Occupied Shelves R + F	Col.2 Linear Inches R + F	Col.3 ∧ X Thickness of Items in Call #	Col.4 ∧ E # of Pieces on Shelf at Time of Count	Col.5 Lines* in DAR P/O at Time of Count ☂	Col.6 Lines* in Storage at Time of Count ☂	Col.7 Total # of Pieces in Block = A	Col.8 ∧ a.Students	b.Faculty	c.Staff	d.Non-CSU	e.Reserve	f.Station	g.ILL	Col.9 Total Uses =U**	Col.10 Coefficient of Use Col.9 / Col.7 = U/A	Col.11 For Ea 100 Pi Availa There Were X Used X =
42 Agriculture S (General)	459	11064"	1.113"(R) 1.313"(F)	6303 3084	195	7625	17207	596	226	4	68	7	51	8	960	.0557912	5.57912
43 Plant SB Culture	233	5611"	1.372"(R) 1.013"(F)	3263 1120	239	2079	6701	954	184	18	88	22	25	10	1301	.1941501	19.4150
44 Forestry SD	155	3839"	.901"(R) .878"(F)	2710 1591	64	1363	5728	429	22	5	16	4	16	3	495	.0864175	8.64175
45 Animal SF Culture	407	9711"	1.503"(R) 1.395"(F)	4396 2225	387	2044	9052	1681	272	48	107	32	16	19	2175	.2402783	24.0278
46 Fish SH Culture	57	1334"	.991"(R) .699"(F)	1130 306	30	179	1645	183	14	2	15	1	8	1	224	.1361702	13.6170
47 Hunting SK	128	3151"	.651"(R) 1.55"(F)	2797 858	105	189	3950	637	38	4	58	2	11	12	762	.1929113	19.2911

TABLE 1

TABLE OF COLLECTION USE/SIZE: RAW DATA

CALL NUMBER BLOCK & NAME	Col.1 Occupied Shelves R + F	Col.2 Linear Inches R + F	Col.3 ∧ X Thickness of Items in Call #	Col.4 ∧ E # of Pieces on Shelf at Time of Count	Col.5 Lines* in DAR P/O at Time of Count Φ	Col.6 Lines* in Storage at Time of Count Φ	Col.7 Total # of Pieces in Block = A	Col.8 ∧ a.Students	b.Faculty	c.Staff	d.Non-CSU	e.Reserve	f.Station	g.ILL	Col.9 Total Uses =U**	Col.10 Coefficient of Use Col.9 / Col.7 = U/A	Col.11 For Each 100 Pie Availab There Were X Used X =
48 T Technology (General)	110	2581"	1.03"(R) 1.023"(F)	1559 953	74	279	2865	290	86	8	12	3	17	0	416	.145200	14.520
49 TA Engineering (General)	414	9921"	1.702"(R) 1.398"(F)	3708 2582	255	1630	8175	321	191	2	27	10	65	5	621	.0759633	7.59633
50 TC Hydraulic Engineering	102	2672"	.701" 1.248"	2007 1014	73	107	3201	213	67	0	9	6	66	4	365	.1140268	11.40268
51 TD Environmental Technology	130	3768"	1.107" 1.455"	1702 1295	116	125	3238	522	101	13	35	6	96	5	778	.2402717	24.02717
52 TE Highway Engineering	39	901"	1.343" .946"	377 418	3	54	851	5	4	0	0	0	5	0	14	.0164512	1.64512
53 TF Railroad Engineering	6	138"	.82" 1.09"	56 84	1	178	320	12	3	3	0	0	0	0	18	.05625	5.625

30

31

TABLE 1

TABLE OF COLLECTION USE/SIZE: RAW DATA

CALL NUMBER BLOCK & NAME	Col.1 Occupied Shelves R + F	Col.2 Linear Inches R + F	Col.3 ^ X Thickness of Items in Call #	Col.4 ^ E # of Pieces on Shelf at Time of Count	Col.5 Lines* in DAR P/O at Time of Count ₱	Col.6 Lines* in Storage at Time of Count ₱	Col.7 Total # of Pieces in Block = A	Col.8 ^ a.Students	b.Faculty	c.Staff	d.Non-CSU	e.Reserve	f.Station	g.ILL	Col.9 Total Uses =U**	Col.10 Coefficient of Use Col.9 / Col.7 = U/A	Col.11 For Each 100 Pieces Available There Were X Used X =
54 Bridge TG Engineering	5	97"	1.01"(R) .72"(F)	67 40	1	2	111	1	1	0	0	0	0	0	2	.018018	1.8018
55 Building TH Construction	50	1325"	1.073" 1.746"	424 498	26	119	1067	123	16	5	29	0	19	2	194	.1818181	18.1818
56 Mechanical TJ Engineering	123	3197"	1.228" 1.155	1007 1698	89	389	3182	141	47	0	10	0	27	0	225	.0707102	7.07102
57 Electrical TK Engineering	272	7088"	1.36" 1.236"	2551 2846	185	753	6336	451	71	6	38	4	82	3	655	.1033775	10.3377
58 Motor Vehicles TL Aeronautics	132	3273"	1.355" 1.548"	1046 1199	94	267	2606	288	78	30	12	4	54	0	466	.1788181	17.8818
59 Mining TN Engineering	73	1839"	1.201"(R) 1.612"(F)	842 514	29	510	1894	68	19	14	13	0	17	0	131	.0691657	6.91657

32

33

TABLE 1

TABLE OF COLLECTION USE/SIZE: RAW DATA

CALL NUMBER BLOCK & NAME	Col.1 Occupied Shelves R + F	Col.2 Linear Inches R + F	Col.3 ∧ X Thickness of Items in Call #	Col.4 ∧ E # of Pieces on Shelf at Time of Count	Col.5 Lines* in DAR P/O at Time of Count Φ	Col.6 Lines* In Storage at Time of Count Φ	Col.7 Total # of Pieces in Block = A	Col.8 ∧ a.Students	b.Faculty	c.Staff	d.Non-CSU	e.Reserve	f.Station	g.ILL	Col.9 Total Uses =U**	Col.10 Coefficient of Use Col.9 / Col.7 = U/A	Col. For 100 Avail There Were Used X =
60 Chemical TP Technology	151	3920"	.952" 1.356"	1917 1545	65	704	4231	273	44	10	16	0	28	1	372	.0879224	8.792
61 Photography TR	40	1026"	1.068"(R) 1.422"(F)	490 354	93	117	1053	264	35	12	44	0	10	5	370	.351377	35.51
62 Manufacturers TS	140	3414"	1.329" 1.839"	976 1151	58	399	2584	306	50	17	28	3	17	8	429	.1660216	16.60
63 Handicrafts TT	26	562"	.758" 1.274"	342 316	77	195	930	272	35	21	51	0	4	5	388	.4172043	41.72
64 Home TX Economics	87	2186"	1.24" 1.778"	1042 503	131	644	2320	506	72	30	39	2	17	9	675	.2909482	29.09
65 Statistics HA	66	1490"	2.007" 1.301"	610 204	68	0	882	183	76	0	35	1	8	0	303	.343537	34.35

34 35

TABLE I

TABLE OF COLLECTION USE/SIZE: RAW DATA

CALL NUMBER BLOCK & NAME	Col.1 Occupied Shelves R + F	Col.2 Linear Inches R + F	Col.3 $\hat{X}$ Thickness of Items in Call #	Col.4 $\hat{E}$ # of Pieces on Shelf at Time of Count	Col.5 Lines* in DAR P/O at Time of Count Φ	Col.6 Lines* in Storage at Time of Count Φ	Col.7 Total # of Pieces in Block = A	Col.8 $\hat{\Lambda}$ a.Students	b.Faculty	c.Staff	d.Non-CSU	e.Reserve	f.Station	g.ILL	Col.9 Total Uses =U**	Col.10 Coefficient of Use Col.9/Col.7 = U/A	Col.1 For E 100 P Avail There Were Used X =
66 Psychology BF	233	6190"	.873"(R) 1.23" (F)	6985 75	489	0	7549	2499	527	32	135	38	22	12	3265	.4325076	43.250
67 History of CB Civilization	36	901"	1.18" 1.395"	727 31	35	0	793	76	25	9	12	1	0	0	123	.15510719	15.510
68 Archaeology CC	11	196"	.956" 1.1"	189 14	4	0	207	83	8	0	0	2	1	0	94	.4541062	45.410
69 Diplomatics CD	7	103.5"	.813" .875"	123 4	0	0	127	0	0	0	0	0	0	0	0	0	0
70 Technical CE Chronology	2	10"	.93"(R) .8"(F)	9.68 1.25	0	20	31	0	0	0	0	0	0	0	0	0	0
71 Numismatics CJ	5	81"	1" .92"	70 12	2	14	98	5	2	0	5	0	0	1	13	.132653	13.265

TABLE I

TABLE OF COLLECTION USE/SIZE: RAW DATA

CALL NUMBER BLOCK & NAME	Col.1 Occupied Shelves R + F	Col.2 Linear Inches R + F	Col.3 ∧ X Thickness of Items in Call #	Col.4 ∧ E # of Pieces on Shelf at Time of Count	Col.5 Lines* in DAR P/O at Time of Count Φ	Col.6 Lines* in Storage at Time of Count Φ	Col.7 Total # of Pieces in Block = A	Col.8 ∧ a.Students	b.Faculty	c.Staff	d.Non-CSU	e.Reserve	f.Station	g.ILL	Col.9 Total Uses =U**	Col.10 Coefficient of Use Col.9 / Col.7 = U/A	Col.11 For E 100 P Avail There Were Used X =
72 Epigraphy			.95"(R)	12.63													
CN Inscriptions	2	14"	.95"(F)	2.11	0	0	15	0	0	0	0	0	0	0	0	0	0
73 Heraldry			.997"	45.													
CR	4	52"	1.95"	4.	1	0	50	0	0	0	0	0	0	0	0	0	0
74 Genealogy			.882"	166													
CS	8	148"	.9"	2	1	6	175	21	0	8	3	0	1	0	33	.1885714	18.857
75 Biography			1.130"	774													
CT	39	909"	1.872"	19	11	0	803	38	10	3	4	1	2	0	58	.0722291	7.2229
76 History			1.613"(R)	3322													
D (General)	231	5557"	.838"(F)	238	103	220	3882	225	60	0	18	24	11	4	342	.0880989	8.8098
77 Great			1.335"	2902													
DA Britain	192	3953"	1.3"	61	49	0	3012	116	52	2	6	0	3	1	180	.0597609	5.9760

TABLE 1

TABLE OF COLLECTION USE/SIZE: RAW DATA

CALL NUMBER BLOCK & NAME	Col.1 Occupied Shelves R + F	Col.2 Linear Inches R + F	Col.3 ∧ X Thickness of Items in Call #	Col.4 ∧ E # of Pieces on Shelf at Time of Count	Col.5 Lines* in DAR P/O at Time of Count Φ	Col.6 Lines* in Storage at Time of Count Φ	Col.7 Total # of Pieces in Block = A	Col.8 ∧ a.Students	b.Faculty	c.Staff	d.Non-CSU	e.Reserve	f.Station	g.ILL	Col.9 Total Uses =U**	Col.10 Coefficient of Use Col.9 / Col.7 = U/A	Col.11 For Each 100 Piec Availabl There Were X Used X =
B Austria B Czechoslovakia B Hungary	36	679"	1.416" .59"	470 22	16	0	508	6	4	4	0	0	2	0	16	.031496	3.1496
9 France C	77	1617"	1.189" .87"	1336 32	25	0	1394	89	10	0	11	0	5	0	115	.0824964	8.24964
0 Germany D	64	1563"	1.191" 1.23"	1251 59	42	0	1352	76	17	7	3	1	2	0	106	.078402	7.84024
1 Mediterranean E	5	87.7"	1.6" 1.7"	54 1	3	0	58	1	0	0	0	0	0	0	1	.0172413	1.72413
2 Greece F	21	509"	1.216" 1.1"	394 27	34	0	455	35	1	0	1	0	0	2	39	.0857142	8.57142
5 Italy G	40	1083"	1.286" 1.17"	806 40	19	23	888	67	10	4	12	0	0	0	93	.1047297	10.47297

TABLE I

TABLE OF COLLECTION USE/SIZE: RAW DATA

CALL NUMBER BLOCK & NAME	Col.1 Occupied Shelves R + F	Col.2 Linear Inches R + F	Col.3 ∧ X Thickness of Items in Call #	Col.4 ∧ E # of Pieces on Shelf at Time of Count	Col.5 Lines* in DAR P/O at Time of Count Φ	Col.6 Lines* in Storage at Time of Count Φ	Col.7 Total # of Pieces in Block = A	Col.8 ∧ a.Students	b.Faculty	c.Staff	d.Non-CSU	e.Reserve	f.Station	g.ILL	Col.9 Total Uses =U**	Col.10 Coefficient of Use Col.9 / Col.7 = U/A	Col.11 For Each 100 Piec Availabl There Were X Used X =
4 H Belgium	5	71"	1.2" .9"	58 1	0	0	59	5	0	0	0	0	2	0	7	.118644	11.8644
5 J Holland	5	78"	1.25" .9"	62 1	0	17	80	4	0	2	0	0	0	0	6	.075	7.500
6 K Russia	72	1719"	1.258" 1.378"	1295 65	42	0	1402	36	8	2	12	0	1	3	62	.0442225	4.42225
7 L Scandinavia	23	506"	1.097"(R) 1."(F)	152 297	2	0	452	14	8	0	0	0	2	1	25	.0553097	5.53097
8 P Spain Portugal	19	479"	1.357" 1.32"	339 14	7	0	360	26	9	4	0	0	0	0	39	.1083333	10.83333
9 Q Switzer-land	4	114"	1.09"	105	3	0	108	15	7	2	0	0	1	0	25	.23148148	23.14814

42

43

TABLE 1

TABLE OF COLLECTION USE/SIZE: RAW DATA

CALL NUMBER BLOCK & NAME	Col.1 Occupied Shelves R + F	Col.2 Linear Inches R + F	Col.3 ∧ X Thickness of Items in Call #	Col.4 ∧ E # of Pieces on Shelf at Time of Count	Col.5 Lines* in DAR P/O at Time of Count Φ	Col.6 Lines* in Storage at Time of Count Φ	Col.7 Total # of Pieces in Block = A	Col.8∧ a.Students	b.Faculty	c.Staff	d.Non-CSU	e.Reserve	f.Station	g.ILL	Col.9 Total Uses =U**	Col.10 Coefficient of Use Col.9 / Col.7 = U/A	Col.11 For Ea 100 Pi Availa There Were X Used X =
90 Eastern DR Europe	20	401.9"	1.128 .475	355 4	6	0	365	20	8	0	2	0	0	0	30	.0821917	8.2191
91 Asia DS	300	6377"	1.183" 1.009"	5083 361	164	21	5629	482	95	7	77	4	15	8	688	.1222241	12.224
92 Africa DT	133	2522"	1.086" .736	2223 147	67	4	2441	168	21	2	9	0	4	2	206	.0843916	8.4391
93 Oceania DU (South Seas)	44	886"	1.197" 1.62"	627 84	17	0	728	120	9	0	6	0	1	2	138	.1895604	18.956
94 Gypsies DX	2	21"	1.05"	20	0	0	20	4	0	0	0	0	0	0	4	.20	20.
95 History: E America	608	12699	1.162" 1.658"	10417 359	543	25	11343	1794	312	31	190	18	48	5	2398	.2114079	21.140

TABLE I

TABLE OF COLLECTION USE/SIZE: RAW DATA

CALL NUMBER BLOCK & NAME	Col.1 Occupied Shelves R + F	Col.2 Linear Inches R + F	Col.3 ^ X Thickness of Items in Call #	Col.4 ^ E # of Pieces on Shelf at Time of Count	Col.5 Lines* in DAR P/O at Time of Count ♀	Col.6 Lines* in Storage at Time of Count ♀	Col.7 Total # of Pieces in Block = A	Col.8 ^ a.Students	b.Faculty	c.Staff	d.Non-CSU	e.Reserve	f.Station	g.ILL	Col.9 Total Uses =U**	Col.10 Coefficient of Use Col.9 / Col.7 = U/A	Col.11 For Each 100 Pie Availab There Were X Used X =
96 U.S. Local F History	593	12617"	1.122" 1.046"	10,365 944	298	41	11648	1110	202	41	162	11	38	8	1572	.1349587	13.4958
97 Geography G	116	2547"	1.337" 1.084"	1557 430	74	59	2119	274	30	4	10	1	26	1	346	.1632845	16.3284
98 Mathematical GA Geography	4	58"	.8" .66"	64 11	7	0	81	7	2	0	1	0	7	0	17	.2098765	20.9876
99 Physical GB Geography	106	2566"	1.196"(R) .719"(F)	1749 659	110	0	2518	122	31	4	22	4	58	5	246	.0976965	9.76965
100 Ocean- GC ography	29	691.2	1.143" 1.06"	537 73	36	0	646	78	7	0	4	0	48	0	137	.2120743	21.2074
101 Anthropo- GF geography	7	145	.954" .78"	141 14	12	0	167	39	20	2	19	3	1	0	84	.502994	50.2994

TABLE I

TABLE OF COLLECTION USE/SIZE: RAW DATA

CALL NUMBER BLOCK & NAME	Col.1 Occupied Shelves R + F	Col.2 Linear Inches R + F	Col.3 ^ X Thickness of Items in Call #	Col.4 ^ E # of Pieces on Shelf at Time of Count	Col.5 Lines* in DAR P/O at Time of Count ϕ	Col.6 Lines* in Storage at Time of Count ϕ	Col.7 Total # of Pieces in Block = A	Col.8^ a.Students	b.Faculty	c.Staff	d.Non-CSU	e.Reserve	f.Station	g.ILL	Col.9 Total Uses =U**	Col.10 Coefficient of Use Col.9 / Col.7 = U/A	Col.1 For E 100 P Avail There Were Used X =
102 Anthro- GN pology	91	2190"	1.569" 1.309"	1276 144	90	11	1521	347	84	5	34	4	7	0	481	.3162393	31.62
103 Folklore GR	24	534"	1.091" 1.2"	483 6	11	0	500	52	15	1	4	4	2	0	78	.156	15.6
104 Manners & GT Customs	18	267"	.974"(R) 1.09" (F)	250 22	127	0	399	200	23	1	5	13	2	4	248	.6215539	62.15
105 Recreation GV	134	2697"	.96" 1.513"	1931 557	305	0	2793	1235	103	31	47	11	30	6	1463	.5238095	52.38
106 Social H Sciences	135	2926"	1.056" 1.4"	2739 24	59	20	2842	146	43	0	7	1	7	4	208	.0731878	7.318
107 Economics HB	170	3403"	.859"(R) 1.473"(F)	3813 87	204	286	4389	330	170	1	62	5	11	4	583	.132832	13.28

48

TABLE I

TABLE OF COLLECTION USE/SIZE: RAW DATA

CALL NUMBER BLOCK & NAME	Col.1 Occupied Shelves R + F	Col.2 Linear Inches R + F	Col.3 ^ X Thickness of Items in Call #	Col.4 ^ E # of Pieces on Shelf at Time of Count	Col.5 Lines* in DAR P/O at Time of Count ◆	Col.6 Lines* in Storage at Time of Count ◇	Col.7 Total # of Pieces in Block = A	Col.8 ^ a.Students	b.Faculty	c.Staff	d.Non-CSU	e.Reserve	f.Station	g.ILL	Col.9 Total Uses =U**	Col.10 Coefficient of Use Col.9 / Col.7 = U/A	Col.11 For Eac 100 Pie Availab There Were X Used X =
T08 Economic HC History & Conditions	255	6292	1.218"(R) 1.205"(F)	4250 926	185	144	5505	408	117	3	37	9	19	5	598	.1086285	10.862
T09 Land HD	632	14642"	.994"(R) 1.523"(F)	11457 2137	458	571	14622	1257	412	13	105	21	76	19	1903	.1301463	13.014
T10 Transporta- HE tion & Communica- tion	63	1396"	1.044"(R) 1.184"(F)	961 332	65	35	1393	259	30	2	14	0	12	1	318	.2282842	22.828
T11 Commerce HF	433	9285"	1.01" (R) 1.798"(F)	6047 1768	311	639	8764	1407	157	21	91	22	31	12	1741	.1986535	19.865
T12 Finance HG	195	4291"	1.372"(R) 1.777"(F)	2080 809	103	445	3437	249	60	1	67	2	4	4	387	.1125981	11.259
T13 Public HJ Finance	89	2219"	.998"(R) 1.198"(F)	2077 122	37	230	2466	37	31	0	0	10	10	0	188	.0762368	7.6236

50

51

TABLE 1

TABLE OF COLLECTION USE/SIZE: RAW DATA

CALL NUMBER BLOCK & NAME	Col.1 Occupied Shelves R + F	Col.2 Linear Inches R + F	Col.3 ∧ X Thickness of Items In Call #	Col.4 ∧ E # of Pieces on Shelf at Time of Count	Col.5 Lines* in DAR P/O at Time of Count ϕ	Col.6 Lines* In Storage at Time of Count ϕ	Col.7 Total # of Pieces in Block = A	Col.8 ∧ a.Students	b.Faculty	c.Staff	d.Non-CSU	e.Reserve	f.Station	g.ILL	Col.9 Total Uses =U**	Col.10 Coefficient of Use Col.9 / Col.7 = U/A	Col.11 For Each 100 Piec Availabl There Were X Used X =
114 Sociology HM	121	3190	1.458"(R) 1.35" (F)	2125 68	135	16	2344	579	286	4	58	11	24	1	98	.0418088	4.18088
115 Social HN History	70	1721	1.254"(R) .89"(F)	1336 52	52	5	1444	194	65	7	9	5	21	3	304	.2105263	21.0526
116 The HQ Family	96	2299	1.121"(R) 1.602"(F)	1822 160	264	0	2246	1450	127	28	105	30	16	2	1758	.7827248	78.2724
117 Societies: HS Secret, Benevolent	7	114	1.03"(R) 1.76"(F)	55 32	2	9	99	7	0	0	1	0	2	0	10	.1010101	10.1010
118 Communities HT Class, Races	78	1820	.974"(R) 1.674"(F)	1277 344	66	0	1687	152	54	1	12	19	8	3	249	.1475992	14.7599
119 Social HV Pathology	140	3435	1.37"(R) 1.667"(F)	2196 256	262	65	2779	888	81	13	65	21	12	8	1088	.3915077	39.1507

52

53

TABLE 1

TABLE OF COLLECTION USE/SIZE: RAW DATA

LL NUMBER OCK & NAME	Col.1 Occupied Shelves R + F	Col.2 Linear Inches R + F	Col.3 ∧ X Thickness of Items In Call #	Col.4 ∧ E # of Pieces on Shelf at Time of Count	Col.5 Lines* in DAR P/O at Time of Count Φ	Col.6 Lines* in Storage at Time of Count Φ	Col.7 Total # of Pieces in Block = A	Col.8 ∧ a.Students	b.Faculty	c.Staff	d.Non-CSU	e.Reserve	f.Station	g.ILL	Col.9 Total Uses =U**	Col.10 Coefficient of Use Col.9 / Col.7 = U/A	Col.11 For Each 100 Pieces Available There Were X Used X =
0 Socialism Communism Anarchism	58	1218	1.423"(R) 1.2"(F)	836 23	31	0	859	100	19	3	10	0	1	0	133	.154831	15.4831
1 Official Documents	24	523	2.098"(R) 1.9"(F)	230 22	1	0	252	4	0	0	0	0	2	0	6	.0238095	2.38095
22 Collections & General Works	63	1536	2.038"(R) .6"(F)	736 62	31	0	828	63	22	2	13	0	4	0	104	.1256038	12.56038
23 Political Theory	41	1085	1.08"(R) .57"(F)	995 17.5	59	0	1072	137	25	1	11	0	4	0	178	.1660447	16.60447
24 General & Comparative Works	15	381	.925"(R) 1.26"(F)	386 19	13	0	418	40	20	0	17	5	1	2	85	.2033492	20.3349
25 United States	102	2393	1.113"(R) 1.77"(F)	1531 389	57	0	1977	238	40	3	97	6	11	4	399	.2018209	20.182

54

55

TABLE I

TABLE OF COLLECTION USE/SIZE: RAW DATA

CALL NUMBER BLOCK & NAME	Col.1 Occupied Shelves R + F	Col.2 Linear Inches R + F	Col.3 ∧ X Thickness of Items in Call #	Col.4 ∧ E # of Pieces on Shelf at Time of Count	Col.5 Lines* in DAR P/O at Time of Count Φ	Col.6 Lines* in Storage at Time of Count ⊗	Col.7 Total # of Pieces in Block = A	Col.8 / a.Students	b.Faculty	c.Staff	d.Non-CSU	e.Reserve	f.Station	g.ILL	Col.9 Total Uses =U**	Col.10 Coefficient of Use Col.9 / Col.7 = U/A	Col.11 For Each 100 Pieces Available There Were X Used X =
126 British & JL Latin Americas	8	155"	.891"(R) .85" (F)	172. 2.35	57	0	231	7	0	0	0	0	1	0	8	.034632	3.4632
127 Europe JN	43	1030"	1.017"(R) 1.85"(F)	974 22	4	0	1000	24	0	0	2	0	6	0	32	.032	3.200
128 Asia, Africa, JQ Australia, Oceania	26	563"	.916"(R) 2.145"(F)	440 75	1	0	516	27	2	0	0	0	0	1	30	.0581395	5.8139
129 Local JS Government	28	626"	1.168" 1.254"	398 128	2	32	561	31	4	0	1	0	1	0	37	.0659536	6.5953
130 Colonies & JV Colonization	16	387"	.955" 2.106"	249 71	2	0	322	2	1	0	1	0	0	0	4	.0124223	1.2422
131 International JX Law and Relations	124	3155"	1.514" 1.51"	1898 186	20	0	2104	80	8	0	13	5	1	0	107	.0508555	5.0855

TABLE I

TABLE OF COLLECTION USE/SIZE: RAW DATA

ALL NUMBER LOCK & NAME	Col.1 Occupied Shelves R + F	Col.2 Linear Inches R + F	Col.3 ∧ X Thickness of Items in Call #	Col.4 ∧ E # of Pieces on Shelf at Time of Count	Col.5 Lines* in DAR P/O at Time of Count Φ	Col.6 Lines* in Storage at Time of Count Φ	Col.7 Total # of Pieces in Block = A	Col.8 ∧ a.Students	b.Faculty	c.Staff	d.Non-CSU	e.Reserve	f.Station	g.ILL	Col.9 Total Use =U**	Col.10 Coefficient of Use Col.9 / Col.7 = U/A	Col.11 For Eac 100 Pie Availab There Were X Used X =
32 Law	255	6349	1.65"(R) 1.686"(F)	3661 183	32	0	3876	423	101	2	38	10	8	8	590	.1522187	15.2218
33 Education	196	4345"	1.929" 1.525"	1762 621	8	167	2558	194	13	0	11	0	1	2	221	.0863956	8.63956
34 History of A Education	48	1115"	.929" 1.3"	1068 95	30	0	1192	111	26	0	8	1	7	2	155	.130033	13.00
35 Theory & B Practice of Education	292	6859"	1.284" 1.266:	4738 613	[illegible]8	36	5654	1109	219	12	197	20	40	11	1608	.28440	28.44
36 Special C Aspects of Education	70	1652"	.837" .881"	1791 174	101	0	2066	304	118	10	43	12	13	3	503	.2434656	24.346
37 United D States	36	913"	1.585" 1.27"	389 233	9	0	631	16	0	2	0	0	8	0	26	.0412044	4.1204

TABLE I

TABLE OF COLLECTION USE/SIZE: RAW DATA

CALL NUMBER BLOCK & NAME	Col.1 Occupied Shelves R + F	Col.2 Linear Inches R + F	Col.3 ∧ X Thickness of Stems in Call #	Col.4 ∧ E # of Pieces on Shelf at Time of Count	Col.5 Lines* in DAR P/O at Time of Count Φ	Col.6 Lines* in Storage at Time of Count Φ	Col.7 Total # of Pieces in Block = A	Col.8 ∧ a.Students	b.Faculty	c.Staff	d.Non-CSU	e.Reserve	f.Station	g.ILL	Col.9 Total Uses =U**	Col.10 Coefficient of Use Col.9 / Col.7 = U/A	Col.11 For Ea 100 Pi Availa There Were X Used X =
T38 America- LE except US.	1	10"	.91"	10.98	0	0	11	0	0	0	0	0	0	0	0	0	0
139 Europe LF	5	84"	1.13" .85"	73 2.35	3	0	78	12	0	0	0	0	0	0	12	.1538461	15.384
140 Asia, LG Africa, Oceania	2	17"	.95" .64"	13 8	0	0	20	0	0	0	0	0	0	0	0	0	0
141 College & LH School mag- azines and papers	4	70			0	0	Do not Use	0	0	0	0	0	0	0	0	Do not Use	Do not
142 Student frat. LJ & Societies, U.S.	10	210	1.349" 1.65"	125 26	1	0	151	17	3	0	0	0	0	0	20	.1324503	13,245
143 Textbooks LT	1	5"	1.25	4	0	0	4	0	0	0	0	0	0	0	0	0	0

TABLE I

TABLE OF COLLECTION USE/SIZE: RAW DATA

CALL NUMBER BLOCK & NAME	Col.1 Occupied Shelves R + F	Col.2 Linear Inches R + F	Col.3 ∧ Thickness of Items in Call #	Col.4 ∧ # of Pieces on Shelf at Time of Count	Col.5 Lines* in DAR P/O at Time of Count ◆	Col.6 Lines* in Storage at Time of Count ◆	Col.7 Total # of Pieces in Block = A	Col.8 ∧ a.Students	b.Faculty	c.Staff	d.Non-CSU	e.Reserve	f.Station	g.ILL	Col.9 Total Uses =U**	Col.10 Coefficient of Use Col.9 / Col.7 = U/A	Col.11 For Each 100 Piec Availabl There Were X Used X =
144 Military U Science	13	269"	.876"(R) 1.33" (F)	290 11.28	6	0	307	45	3	0	2	3	3	0	56	.1824104	18.24104
145 Armies UA	16	340"	1.03" 1.1"	323 6.	10	6	346	54	8	0	6	4	4	0	76	.2196531	21.9653
146 Military UB Administration	7	119"	.999" .33"	118. 3	0	0	121	28	2	0	0	0	0	0	30	.2479338	24.79338
147 Maintenance UC & Transportation	2	18.3"	.74"(R) 1.00"(F)	14 8	0	0	22	2	1	0	0	0	0	0	3	.1363636	13.63636
148 Infantry UD	2	8.1"	.95" 1.1"	7 1	0	0	8	2	0	0	0	0	0	0	2	.25	25.
149 Cavalry UE	2	4" 1 BK	1.25"(R) .7	3.2 1.	1	0	5	0	1	0	0	0	0	0	1	.20	20.

TABLE I

TABLE OF COLLECTION USE/SIZE: RAW DATA

CALL NUMBER BLOCK & NAME	Col.1 Occupied Shelves R + F	Col.2 Linear Inches R + F	Col.3 Λ X Thickness of Items in Call #	Col.4 Λ E # of Pieces on Shelf at Time of Count	Col.5 Lines* in DAR P/O at Time of Count Φ	Col.6 Lines* in Storage at Time of Count Φ	Col.7 Total # of Pieces in Block = A	Col.8 Λ a.Students	b.Faculty	c.Staff	d.Non-CSU	e.Reserve	f.Station	g.ILL	Col.9 Total Uses =U**	Col.10 Coefficient of Use Col.9 / Col.7 = U/A	Col.1 For E 100 P Avail There Were Used X =
150 Artillery UF	3	43"	1.02"(R) .61"(F)	36 10	3	0	49	7	1	0	0	0	0	0	8	.1632653	16.32
151 Military UG Engineering	8	192"	1.14" 1.74"	66.6 66.6	4	0	137	31	5	0	0	0	8	0	44	.3211678	32.11
152 Other UH Services	1	0"	1.14"	17.5	0	0	18	2	0	0	0	0	0	0	2	.1111111	11.11
153 Naval V Science	5	78"	1.33" .825"	55.6 5	1	0	61	8	1	0	1	0	1	0	11	.1803278	18.032
154 Navies VA	4	82"	1.11" 1.6"	55 13	0	0	68	2	0	0	0	0	0	0	2	.0294117	2.9411
155 Naval VB Administration	2	14"	1.26"	11.11	0	0	11	0	0	0	0	0	0	0	0	0	0

TABLE I

TABLE OF COLLECTION USE/SIZE: RAW DATA

CALL NUMBER BLOCK & NAME	Col.1 Occupied Shelves R + F	Col.2 Linear Inches R + F	Col.3 ∧ X Thickness of Items in Call #	Col.4 ∧ Σ # of Pieces on Shelf at Time of Count	Col.5 Lines* in DAR P/O at Time of Count ♦	Col.6 Lines* in Storage at Time of Count ♦	Col.7 Total # of Pieces in Block = A	Col.8 ∧ a.Students	b.Faculty	c.Staff	d.Non-CSU	e.Reserve	f.Station	g.ILL	Col.9 Total Uses =U**	Col.10 Coefficient of Use Col.9 / Col.7 = U/A	Col.11 For Ea 100 Pi Availa There Were X Used X =
156 Naval VC Maintenance	1	2" 1 bk.	1.6"	0	0	0	1	0	0	0	0	0	0	0	0	0	0
157 Marines VE	1	11" 1.5"	1.28"(R) .19" (F)	8. 7.89	0	0	16	4	0	0	0	0	0	0	4	.25	25.
158 Minor VG Services of Navies	2	36"	1.4"(R) 1.94"(F)	2.85 16.49	0	0	19	0	0	0	0	0	0	0	0	0	0
159 Navigation VK Merchant Marine	3	62"	1.5"	41	4	0	45	7	0	0	4	0	3	0	14	.31111	31.11
160 Naval VM Architecture	8	167"	.72"(R) 1.42"(F)	111.11 61.27	3	21	196	22	0	0	6	0	1	0	29	.1479591	14.79

66

67

TABLE I

TABLE OF COLLECTION USE/SIZE: RAW DATA

CALL NUMBER BLOCK & NAME	Col.1 Occupied Shelves R + F	Col.2 Linear Inches R + F	Col.3 ∧ X Thickness of Items in Call #	Col.4 ∧ E # of Pieces on Shelf at Time of Count	Col.5 Lines* in DAR P/O at Time of Count Φ	Col.6 Lines* in Storage at Time of Count Φ	Col.7 Total # of Pieces in Block = A	Col.8 ∧ a.Students	b.Faculty	c.Staff	d.Non-CSU	e.Reserve	f.Station	g.ILL	Col.9 Total Uses =U**	Col.10 Coefficient of Use Col.9 / Col.7 = U/A	Col.11 For Eac 100 Pie Availab There Were X Usec X =
161 Philosophy B	180	5033	1.119" 1.92"	4478 12	292	0	4782	808	188	12	81	23	16	2	1130	.2363028	23.630
162 Logic BC	12	319"	.896" .9	355 1	28	0	384	40	34	0	0	2	0	0	76	.1979166	19.7916
163 Speculative BD Philosophy	20	523"	1.012" .73"	515 2.73	56	0	574	171	32	6	9	2	3	5	228	.3972125	39.7212
164 Aesthetics BH	7	156	1.07" 1.05"	144 1.9	8	0	154	22	7	0	2	2	1	0	34	.220779	22.0779
165 Ethics BJ	28	678	1.139" .73"	591 7	40	0	638	122	24	4	14	1	3	2	170	.2664576	26.6457
166 Religions BL Mythology Rationalism	59	1470	1.001 .99	1460 9	128	0	1597	401	68	19	33	43	4	0	564	.3531621	35.3162

68

69

TABLE I

TABLE OF COLLECTION USE/SIZE: RAW DATA

CALL NUMBER BLOCK & NAME	Col.1 Occupied Shelves R + F	Col.2 Linear Inches R + F	Col.3 ∧ X Thickness of Items in Call #	Col.4 ∧ E # of Pieces on Shelf at Time of Count	Col.5 Lines* in DAR P/O at Time of Count Φ	Col.6 Lines* in Storage at Time of Count Φ	Col.7 Total # of Pieces in Block = A	Col.8∧ a.Students	b.Faculty	c.Staff	d.Non-CSU	e.Reserve	f.Station	g.ILL	Col.9 Total Uses =U**	Col.10 Coefficient of Use Col.9 / Col.7 = U/A	Col.11 For Eac 100 Pie Availab There Were X Used X =
167 Judaism BM	12	292"	1.102" 1.07"	257 8.4	12	0	277	33	6	0	2	0	0	0	41	.1480144	14.8014
168 Islam Bp Bahaism Theosophy	7	214"	1.004	213	18	0	231	34	4	0	6	2	1	2	49	.2121212	21.2121
169 Buddhism BQ	2	47"	.9	52	5	0	57	25	5	0	1	0	0	0	31	.5438596	54.3859
170 Christianity BR	79	2054	1.139 1.873	1616 114	29	0	1759	82	22	7	12	5	1	0	129	.0733371	7.33371
171 The Bible BS and exegesis	30	763	1.158 1.74	625 22	10	0	658	53	11	3	7	0	2	0	76	.1155015	11.5501
172 Doctrinal BT Theology	26	603	1.015 1.075	588 6	9	0	603	64	16	6	11	0	0	4	101	.1674958	16.7495

TABLE I

TABLE OF COLLECTION USE/SIZE: RAW DATA

CALL NUMBER BLOCK & NAME	Col.1 Occupied Shelves R + F	Col.2 Linear Inches R + F	Col.3 ∧ X Thickness of Items in Call #	Col.4 ∧ E # of Pieces on Shelf at Time of Count	Col.5 Lines* in DAR P/O at Time of Count ϕ	Col.6 Lines* in Storage at Time of Count ϕ	Col.7 Total # of Pieces in Block = A	Col.8 ∧ a.Students	b.Faculty	c.Staff	d.Non-CSU	e.Reserve	f.Station	g.ILL	Col.9 Total Uses =U**	Col.10 Coefficient of Use Col.9 / Col.7 = U/A	Col.11 For Each 100 Pie Availab There Were X Used X =
173 Practical BV Theology	31	763"	1.046 1.39	724 4	12	0	740	44	10	0	6	0	3	2	65	.0878378	8.78378
174 Denominations BX & Sects	108	2791"	1.253 .65	2205 43	43	0	2291	136	22	16	31	3	4	2	214	.0934089	9.341
175 Music M	70	1612"	.93" .94"	722 1001	25	0	1748	56	13	3	14	9	3	0	98	.056064	5.606
176 Literature of Music	213	5160"	1.022" 1.435"	4260 562	167	0	4989	628	97	19	59	14	7	0	824	.1651633	16.516
177 Music T Instruction & Study	37	364"	.921" .9"	333. 63.	45	0	442	194	19	6	11	1	0	0	231	.522624	52.262
178 Visual Arts	166	4035"	.988" 1.396"	2437 1166	104	0	3707	489	75	3	43	10	11	0	631	.1702185	17.022

72

73

TABLE I

TABLE OF COLLECTION USE/SIZE: RAW DATA

CALL NUMBER BLOCK & NAME	Col.1 Occupied Shelves R + F	Col.2 Linear Inches R + F	Col.3 ∧ X Thickness of Stems in Call #	Col.4 ∧ E # of Pieces on Shelf at Time of Count	Col.5 Lines* in DAR P/O at Time of Count Φ	Col.6 Lines* in Storage at Time of Count Φ	Col.7 Total # of Pieces in Block = A	Col.8∧ a.Students	b.Faculty	c.Staff	d.Non-CSU	e.Reserve	f.Station	g.ILL	Col.9 Total Uses =U**	Col.10 Coefficient of Use Col.9 / Col.7 = U / A	Col.11 For Ea 100 Pi Availa There Were X Used X =
179 Architecture NA	137	3141"	.928" 1.531"	1065 1406	48	0	2519	342	48	18	28	4	3	0	443	.1758634	17.586
180 Sculpture NB	17	407"	.848" 1.075"	324 123	24	0	471	136	5	8	37	3	4	0	193	.4097664	40.977
181 Drawing, NC Design Illustration	30	625"	.759 .974	260 439	65	0	764	346	15	27	22	0	3	1	414	.5418848	54.188
182 Painting ND	69	1598"	.905" 1.099"	1107 540	72	0	1719	630	54	17	72	4	9	0	786	.4572425	45.724
183 Print NE Media	12	283"	1.032" 1.06"	169 103	20	0	291	66	14	0	3	0	4	2	89	.3058419	30.584
184 Decorative NK & Applied Arts	69	1691	.937 1.472	806 636	0	0	1442	323	50	13	90	4	3	6	489	.3391123	33.911

TABLE I

TABLE OF COLLECTION USE/SIZE: RAW DATA

CALL NUMBER BLOCK & NAME	Col.1 Occupied Shelves R + F	Col.2 Linear Inches R + F	Col.3 ∧ X Thickness of Items in Call #	Col.4 ∧ E # of Pieces on Shelf at Time of Count	Col.5 Lines* in DAR P/O at Time of Count ⌽	Col.6 Lines* In Storage at Time of Count ⌽	Col.7 Total # of Pieces in Block = A	Col.8 ∧ a.Students	b.Faculty	c.Staff	d.Non-CSU	e.Reserve	f.Station	g.ILL	Col.9 Total Uses =U**	Col.10 Coefficient of Use Col.9 / Col.7 = U/A	Col.11 For Ea 100 Pi Availa There Were X Used X =
185 Arts in NX General	5	150"	1.0" 1.03"	126 23	8	0	157	7	2	0	2	0	0	0	11	.0700636	7.006
186 Philology & P Linguistics	61	1552"	.991" .62"	1484 131	108	0	1723	224	46	7	9	16	18	2	322	.1868833	18.688
187 Classical PA Languages & Literature	88	2156.3"	1.022" 1.37"	2101 7	77	0	2185	214	57	2	5	3	0	2	283	.1295194	12.952
188 General PB Works	41	1088.5"	1.44" .6"	749 17.5	7	0	773	48	28	0	3	0	0	0	79	.1021992	10.220
189 Romance PC Languages	36	363.1	1.54" 1.43"	229. 7	35	0	271	35	11	0	5	0	3	0	54	.1992619	19.926
190 Germanic PD Languages	14	322	1.126	286	7	0	293	0	1	0	2	0	3	2	8	.0273037	2.730

TABLE I

TABLE OF COLLECTION USE/SIZE: RAW DATA

CALL NUMBER BLOCK & NAME	Col.1 Occupied Shelves R + F	Col.2 Linear Inches R + F	Col.3 ∧ X Thickness of Items in Call #	Col.4 ∧ E # of Pieces on Shelf at Time of Count	Col.5 Lines* in DAR P/O at Time of Count ⊕	Col.6 Lines* in Storage at Time of Count ⊕	Col.7 Total # of Pieces in Block = A	Col.8 ∧ a.Students	b.Faculty	c.Staff	d.Non-CSU	e.Reserve	f.Station	g.ILL	Col.9 Total Uses =U**	Col.10 Coefficient of Use Col.9 / Col.7 = U/A	Col.11 For Each 100 Pie Availab There Were X Used X =
191 English PE	78	2120"	1.317"(R) 1.557"(F)	1381 194	83	0	1657	189	55	4	25	12	8	4	297	.1792395	17.924
192 West PF Germanic	22	462.9	1.628" 1.49"	277 8	11	0	296	22	5	0	9	0	1	0	37	.125	12.5
193 Slavic PG	74	1674	1.046" .85"	1598 4	20	0	1622	182	21	2	10	1	5	0	221	.1362515	13.625
194 Finno-Ugrian, PH Basque Language & Literature	23	453.7	1.161" 1.35"	389 2	2	0	392	2	2	0	0	0	0	0	4	.010204	1.020
195 Oriental PJ Languages & Literature	16	381.7	1.176" 1.32"	273 46	7	2	328	39	12	0	0	0	0	0	51	.1554878	15.549
196 Indo- PK Iranian	13	319.8	1.227"(R) 1.3"(F)	254 6	14	0	274	17	6	0	0	0	2	0	25	.0912408	9.124

78

79

TABLE I

TABLE OF COLLECTION USE/SIZE: RAW DATA

CALL NUMBER BLOCK & NAME	Col.1 Occupied Shelves R + F	Col.2 Linear Inches R + F	Col.3 ∧ X Thickness of Items in Call #	Col.4 ∧ E # of Pieces on Shelf at Time of Count	Col.5 Lines* in DAR P/O at Time of Count ❶	Col.6 Lines* in Storage at Time of Count ❷	Col.7 Total # of Pieces in Block = A	Col.8 ∧ a.Students	b.Faculty	c.Staff	d.Non-CSU	e.Reserve	f.Station	g.ILL	Col.9 Total Uses =U**	Col.10 Coefficient of Use Col.9 / Col.7 = U/A	Col.11 For Each 100 Pie Availab There Were X Used X =
197 Eastern Asia PL Africa & Oceania Language & Literature	31	642.2"	1.06" 1.05"	602 4	18	0	624	64	32	1	3	1	0	0	101	.1618589	16.186
198 American PM Indian Language	6	130.2"	.76" 1.24"	163 5	3	0	171	5	1	0	1	0	3	0	10	.0584795	5.848
199 Literature: PN Literary History & Collections	489	11331"	1.079" 1.773"	9430 652	522	0	10604	1337	325	34	109	17	30	7	1859	.1753112	17.531
200 Romance PQ Literatures	461	11576"	1.103" 1.030"	10349 156.	238	0	10743	626	313	11	43	5	69	1	1068	.0994135	9.941
201 English PR Literature	661	15739	.979" 1.158"	15946 111	254	0	16310	1301	354	24	105	14	11	12	1821	.1116492	11.165
202 American PS Literature	340	8463"	1.143" 1.145"	7265 139	290	0	7694	1029	321	16	100	0	24	13	1503	.195347	19.53

TABLE I

TABLE OF COLLECTION USE/SIZE: RAW DATA

CALL NUMBER BLOCK & NAME	Col.1 Occupied Shelves R + F	Col.2 Linear Inches R + F	Col.3 ∧ X Thickness of Items in Call #	Col.4 ∧ Σ # of Pieces on Shelf at Time of Count	Col.5 Lines* in DAR P/O at Time of Count Φ	Col.6 Lines* in Storage at Time of Count Φ	Col.7 Total # of Pieces in Block = A	Col.8 ∧ a.Students	b.Faculty	c.Staff	d.Non-CSU	e.Reserve	f.Station	g.ILL	Col.9 Total Uses =U**	Col.10 Coefficient of Use Col.9 / Col.7 = U/A	Col.11 For Ea 100 Pi Availa There Were X Used X =
203 Germanic PT Literatures	154	3840	.932"(R) .89"(F)	4113 7.97	114	0	4235	126	127	4	31	0	5	5	298	.0703659	7.0365
204 Fiction & PZ Juvenile Literature	547	14129	1.378"(R) .81(F)	10233 35	452	0	10720	2084	295	234	277	1	79	11	2981	.2780783	27.807

82

83

TABLE II

COLLECTION SIZE AND USE: SUMMARY OF TABLE I

LC BLOCKS	No. of Shelves	No. of Pieces	No. of Uses	Coefficient of Use	For Every 1(Pieces Ther Were X Circ
1. A. General	1	3	7	2.333	233.33
2. AC. Collected Works	31	501	13	.025948	2.5948
3. AE. Encyclopedias	52	540	14	.02592	2.592
4. AG. Dictionaries	6	91	9	.0989	9.890
5. AI. Indexes	14	232	0	0	0
6. AM. Museums	8	121	3	.02379	2.479
7. AN. Newspapers	2	3	0	0	0
8. AP. Periodicals (General)	437	9213	392	.042549	4.2549
9. AS. Academies and Learned Societies	153	1982	28	.014127	1.4127
10. AY. Yearbooks, Almanacs Directories	20	254	1	.003937	0.3937
11. AZ. History of Science	8	154	12	.0779	7.792
12. Z. Bibliography Library Science	699	15,553	494	.03176	3.176
13. Q. Science (General)	2558	8132	1015	.1248155	12.48155
14. QA. Mathematics	452	10090	2097	.2078295	20.78295
15. QB. Astronomy	56	1737	201	.11571675	11.572
16. QC. Physics	526	12725	1998	.15701375	15.702
17. QD. Chemistry	479	10492	1499	.14287	14.287

TABLE II

COLLECTION SIZE AND USE: SUMMARY OF TABLE I

LC BLOCKS	No. of Shelves	No. of Pieces	No. of Uses	Coefficient of Use	For Every Pieces The Were X Cir
18. QE. Geology	164	5060	575	.11363636	11.364
19. QH. Natural History	450	9679	2896	.299205	29.920446
20. QK. Botany	257	6117	1408	.23017819	23.017819
21. QL. Zoology	469	10758	2670	.248187	24.8187
22. QM. Human Anatomy	31	893	351	.39305	39.305
23. QP. Physiology	303	6074	1904	.3134672	31.3467
24. QR. Microbiology	120	2523	966	.3828775	38.28775
25. R. Medicine (General)	233	5753	514	.0893446	8.93446
26. RA. Public Aspects of Medicine	114	2501	500	.19992	19.992
27. RB. Pathology	82	1829	256	.139967	13.9967
28. RC. Internal Medicine	466	11056	2013	.182073	18.207
29. RD. Surgery	151	3599	274	.0761322	7.613
30. RE. Ophthalmology	44	1532	47	.0306788	3.06788
31. RF. Otorhinolaryngology	26	548	49	.089416	8.9416
32. RG. Gynecology, Obstetrics	24	578	232	.401384	40.138
33. RJ. Pediatrics	56	1061	515	.4853911	48.539
34. RK. Dentistry	17	295	29	.098305	9.8305

TABLE II

COLLECTION SIZE AND USE: SUMMARY OF TABLE I

BLOCKS	No. of Shelves	No. of Pieces	No. of Uses	Coefficient of Use	For Every 100 Pieces There Were X Circ.
6. RL. Dermatology	10	215	0	0	0
6. RM. Therapeutics Pharmacology	100	2317	539	.2326283	23.2628
7. RS. Pharmacy & Materia Medica	27	694	33	.047965	4.7965
8. RT. Nursing	5	137	20	.1459854	14.5985
9. RV. Botanic... and Eclectic Medicine	0	0	0	0	0
0. RX. Homeopathy	1	1	0	0	0
1. RZ. Other Systems of Medicine	1	26	3	.1153846	11.53846
2. S. Agriculture (General)	459	17207	960	.05579	5.579
3. SB. Plant Culture	233	6701	1301	.19415	19.415
4. SD. Forestry	155	5728	495	.0864175	8.64175
5. SF. Animal Culture	407	9052	2175	.2402783	24.0278
6. SH. Fish Culture	57	1645	224	.13617	13.617
7. SK. Hunting	128	3950	762	.1929113	19.291
8. T. Technology (General)	110	2865	416	.14520	14.520
9. TA. Engineering (General)	414	8175	621	.0759633	7.596
0. TC. Hydraulic Engineering	102	3201	365	.1140268	11.40268
1. TD. Environmental Technology	130	3238	778	.2402717	24.027

TABLE II

COLLECTION SIZE AND USE: SUMMARY OF TABLE I

LC BLOCKS	No. of Shelves	No. of Pieces	No. of Uses	Coefficient of Use	For Every Pieces Th Were X Ci
52. TE. Highway Engineering	39	851	14	.01645	1.645
53. TF. Railroad Engineering	6	320	18	.05625	5.625
54. TG. Bridge Engineering	5	111	2	.018018	1.8018
55. TH Building Construction	50	119	194	.181818	18.1818
56. TJ. Mechanical Engineering	123	3182	225	.07071	7.071
57. TK. Electrical Engineering	272	6336	655	.1033775	10.3377
58. TL. Motor Vehicles Aeronautics	132	2606	466	.178818	17.8818
59. TN. Mining Engineering	73	1894	131	.0691657	6.9165
60. TP. Chemical Technology	151	4231	372	.0879224	8.792
61. TR. Photography	40	1053	370	.351377	35.5137
62. TS. Manufacture rs	140	2584	429	.1660216	16.6021
63. TT. Handicrafts	26	930	388	.4172043	41.7204
64. TX. Home Economics	87	2320	675	.2909482	29.0948
65. HA. Statistics	66	882	303	.34357	34.3574
66. BF. Psychology	233	7549	3265	.4325076	43.250
67. CB. History of Civilization	36	793	123	.15510	15.510
68. CC. Archaeology	11	207	94	.454106	45.4106

TABLE II

COLLECTION SIZE AND USE: SUMMARY OF TABLE I

C BLOCKS	No. of Shelves	No. of Pieces	No. of Uses	Coefficient of Use	For Every Pieces The Were X Cir
69. CD. Diplomatics	7	127	0	0	0
70. CE. Technical Chronology	2	31	0	0	0
71. CJ. Numismatics	5	98	13	.132653	13.265
72. CN. Epigraphy Inscriptions	2	15	0	0	0
73. CR. Heraldry	4	50	0	0	0
74. CS. Genealogy	8	175	33	.1885714	18.857
75. CT. Biography	39	803	58	.072229	7.2229
76. D. History (General)	231	3882	342	.0880989	8.80989
77. DA. Great Britain	192	3012	180	.0597609	5.976
78. DB. Austria, Czecho-slovakia, Hungary	36	508	16	.031496	3.1496
79. DC. France	77	1394	115	.0824964	8.2496
80. DD. Germany	64	1352	106	.078422	.7.840
81. DE. Mediterranean	5	58	1	.0172413	1.724
82. DF. Greece	21	455	39	.0857142	8.571
83. DG. Italy	40	888	93	.1047297	10.47297
84. DH. Belgium	5	59	7	.118644	11.864
85. DJ. Holland	5	80	6	.075	7.500

TABLE II

COLLECTION SIZE AND USE: SUMMARY OF TABLE I

LC BLOCKS	No. of Shelves	No. of Pieces	No. of Uses	Coefficient of Use	For Every 10 Pieces There Were X Circ.
86. DK. Russia	72	1402	62	.0442225	4.422
87. DL. Scandinavia	23	452	25	.0553097	5.530
88. DP. Spain, Portugal	19	360	39	.1083333	10.833
89. DQ. Switzerland	4	108	25	.23148148	23.148148
90. DR. Eastern Europe	20	365	30	.0821917	8.219
91. DS. Asia	300	5629	688	.1222241	12.222
92. DT. Africa	133	2441	206	.0843916	8.439
93. DU. Oceania (South Seas)	44	728	138	.1895604	18.956
94. DX. Gypsies	2	20	4	.20	20
95. E. History: America	608	11343	2398	.2114079	21.140
96. F. U.S. Local History	593	11648	1572	.1349587	13.49587
97. G. Geography	116	2119	346	.1632845	16.32845
98. GA. Mathematical Geography	4	81	17	.2098765	20.98765
99. GB. Physical Geography	106	2518	246	.0976965	9.76965
100. GC. Oceanography	29	646	137	.2120743	21.2074
101. GF. Anthropogeography	7	167	84	.502994	50.2994
102. GN. Anthropology	91	1521	481	.3162393	31.6239

COLLECTION SIZE AND USE: SUMMARY OF TABLE I

C BLOCKS	No. of Shelves	No. of Pieces	No. of Uses	Coefficient of Use	For Every 100 Pieces There Were X Circ.
103. GR. Folklore	24	500	78	.156	15.6
104. GT. Manners & Customs	18	399	248	.6215538	62.2155
105. GV. Recreation	134	2793	1463	.5238095	52.38095
106. H. Social Sciences	135	2842	208	.0731878	7.31878
107. HB. Economics	170	4389	583	.132832	13.283
108. HC. Economic History and Conditions	255	5505	598	.1086285	10.86285
109. HD. Land	632	14622	1903	.1301463	13.0146
110. HE. Transportation & Communication	63	1393	318	.2282842	22.8284
111. HF. Commerce	433	8764	1741	.1986535	19.86535
112. HG. Finance	195	3437	387	.1125981	11.2598
113. HJ. Public Finance	89	2466	188	.0762368	7.62368
114. HM. Sociology	121	2344	98	.0418088	4.18088
115. HN. Social History	70	1444	304	.2105263	21.05263
116. HQ. The Family	96	2246	1758	.7827248	78.27248
117. HS. Societies, Secret, etc.	7	99	10	.1010101	10.101
118. HT. Communities. Classes. Races.	78	1687	249	.1475992	14.7599
119. HV. Social Pathology	140	2779	1088	.3915077	39.150

TABLE 11

COLLECTION SIZE AND USE: SUMMARY OF TABLE 1

LC BLOCKS	No. of Shelves	No. of Pieces	No. of Uses	Coefficient of Use	For Every Pieces The Were X Cir
120. HX. Socialism. Communism. Anarchism.	58	859	133	.154831	15.483
121. J. Official Documents	24	252	6	.0238095	2.38095
122. JA. Collections and General Works	63	828	104	.1256038	12.560
123. JC. Political Theory	41	1072	178	.1660447	16.60447
124. JF. General and Comparative Works	15	418	85	.2033492	20.3349
125. JK. United States	102	1977	399	.2018209	20.182
126. JL. British and Latin Americas	8	231	8	.034632	3.463
127. JN. Europe	43	1000	32	.032	3.200
128. JQ. Asia. Africa. Australia. Oceania.	26	516	30	.0581395	5.81395
129. JS. Local Government	28	561	37	.0659536	6.59536
130. JV.Colonies and Colonization	16	322	4	.0124223	1.242
131. JX. International Law and Relations	124	2104	107	.0508555	5.08555
132. K. Law	255	3876	590	.1522187	15.22187
133. L. Education	196	2558	221	.0863956	8.63956
134. LA. History of Education	48	1192	155	.130033	13.00
135. LB. Practice of Education	292	5654	1608	.28440	28.44
136. LC. Special Aspects of Education	70	2066	503	.2434656	24.346

TABLE II

COLLECTION SIZE AND USE: SUMMARY OF TABLE I

LC BLOCKS	No. of Shelves	No. of Pieces	No. of Uses	Coefficient of Use	For Every 10 Pieces There Were X Circ.
137. LD. United States	36	631	26	.0412044	4.12044
138. LE. America-except U.S.	1	11	0	0	0
139. LF. Europe	5	78	12	.1538461	15.3846
140. LG. Asia. Africa. Oceania	2	20	0	0	0
141. LH. College and School Magazines & Newspapers	4	Do not Use.	0	0	0
142. LJ. Student Fraternities & Societies, U.S.	10	151	20	.1324503	13.245
143. LT. Textbooks	1	4	0	0	0
144. U. Military Science	13	307	56	.1824104	18.241
145. UA. Armies	16	346	76	.2196531	21.9653
146. UB. Military Administration	7	121	30	.2479338	24.79338
147. UC. Maintenance & Transportation	2	22	3	.1363636	13.63636
148. UD. Infantry	2	8	2	.25	25.
149. UE. Cavalry	2	5	1	.20	20.
150. UF. Artillery	3	49	8	.1632653	16.32653
151. UG. Military Engineering	8	137	44	.3211678	32.11678
152. UH. Other Serices	1	18	2	.1111111	11.11
153. V. Naval Science	5	61	11	.1803278	18.03278

TABLE II

COLLECTION SIZE AND USE: SUMMARY OF TABLE I

LC BLOCKS	No. of Shelves	No. of Pieces	No. of Uses	Coefficient of Use	For Every 100 Pieces There Were X Circ.
154. VA. Navies	4	68	2	.0294117	2.94117
155. VB. Naval Administration	2	11	0	0	0
156. VC. Naval Maintenance	1	1	0	0	0
157. VE. Marines	1	16	4	.25	25.
158. VG. Minor Services of Navies	2	19	0	0	0
159. VK. Merchant Marine. Navigation.	3	45	14	.31111	31.111
160. VM. Naval Architecture	8	196	29	.1479591	14.7959
161. B. Philosophy	190	4782	1130	.2363028	23.630
162. BC. Logic	12	384	76	.1979166	19.79166
163. BD. Speculative Philosophy	20	574	228	.3972125	39.721
164. BH. Aesthetics	7	154	34	.220779	22.0779
165. BJ. Ethics	28	638	170	.2664576	26.64576
166. BL. Religions, Mythology, Rationalism.	59	1597	564	.3531621	35.3162
167. BM. Judaism	12	277	41	.1480144	14.80144
168. BP. Islam, Bahaism, Theosophy.	7	231	49	.2121212	21.212
169. BQ. Buddhism	2	57	31	.5438596	54.38596
170. BR. Christianity	79	1759	129	.0733371	7.33371

TABLE II

COLLECTION SIZE AND USE: SUMMARY OF TABLE I

LC BLOCKS	No. of Shelves	No. of Pieces	No. of Uses	Coefficient of Use	For Every 100 Pieces There Were X Circ.
171. BS. The Bible & exegesis	30	658	76	.1155015	11.550
172. BT. Doctrinal Theology	26	603	101	.1674958	16.74958
173. BV. Practical Theology	31	740	65	.0878378	8.78378
174. BX. Denominations & Sects	108	2291	214	.0934089	9.341
175. M. Music	70	1748	98	.056064	5.606
176. ML. Literature of Music	213	4989	824	.1651633	16.516
177. MT. Music Instruction & Study	37	442	231	.522624	52.262
178. N. Visual Arts	166	3707	631	.1702185	17.022
179. NA. Architecture	137	2519	443	.1758634	17.586
180. NB. Sculpture	17	471	193	.4097664	40.977
181. NC. Drawing, Design, Illustration	30	764	414	.5418848	54.188
182. ND. Painting	69	1719	786	.4572425	45.724
183. NE. Print Media	12	291	89	.3058419	30.584
184. NK. Decorative & Applied Arts	69	1442	489	.3391123	33.911
185. NX. Arts in General	5	157	11	.0700636	7.006
186. P. Philology & Linguistics	61	1723	322	.1868833	18.688
187. PA. Classical Languages & Literature	88	2185	283	.1295194	12.952

TABLE 11

COLLECTION SIZE AND USE: SUMMARY OF TABLE I

LC BLOCKS	No. of Shelves	No. of Pieces	No. of Uses	Coefficient of Use	For Every Pieces Ther Were X Circ
188. PB. General Works	41	773	79	.1021992	10.220
189. PC. Romance Languages	36	271	54	.1992619	19.926
190. PD. Germanic Languages	14	293	8	.0273037	2.730
191. PE. English	78	1657	297	.1792395	17.924
192. PF. West Germanic	22	296	37	.125	12.5
193. PG. Slavic	74	1622	221	.1362515	13.625
194. PH. Finno-Ugrian, Basque Language & Literature	23	392	4	.010204	1.020
195. PJ. Oriental Languages & Literature	16	328	51	.1554878	15.549
196. PK. Indo-Iranian	13	274	25	.0912408	9.124
197. PL. Eastern Asia, Africa & Oceania Lang & Lit.	31	624	101	.1618589	16.186
198. PM. American Indian Language	6	171	10	.0584795	5.848
199. PN. Literature: Literary History & Collections	489	10604	1859	.1753112	17.531
200. PQ. Romance Literatures	461	10743	1068	.0994135	9.941
201. PR. English Literature	661	16310	1821	.1116492	11.165
202. PS. American Literature	340	7694	1503	.195347	19.535
203. PT. Germanic Literatures	154	4235	298	.0703659	7.03659
204. PZ. Fiction and Juvenile Literature	547	10720	2981	.2780783	27.8078

TABLE III.

LC CALL NUMBER BLOCKS ARRANGED BY THEIR COEFFICIENT OF USE

LC CALL NUMBER BLOCK & NAME	COEFFICIENT OF USE	FOR EACH 100 PIECES AVAILABLE THERE WERE X CIRCULATIONS
1. A - General	2.333	233.33
2. HQ - The Family	.7827248	78.27248
3. GT - Manners & Customs	.6215539	62.15539
4. BQ - Buddhism	.5438596	54.386
5. NC - Drawing, Design, Illustration	.5418848	54.188
6. GV - Recreation	.5238095	52.381
7. MT - Music Instruction and Study	.522624	52.262
8. GF - Anthropogeography	.502994	50.2994
9. RJ - Pediatrics	.4853911	48.539
10. ND - Painting	.4572425	45.724
11. CC - Archaeology	.4541062	45.4106
12. BF - Psychology	.4325076	43.25076
13. TT - Handicrafts	.4172043	41.7204
14. NB - Sculpture	.4097664	40.977
15. RG - Gynecology & Obstetrics	.401384	40.1384

TABLE III.

LC CALL NUMBER BLOCKS ARRANGED BY THEIR COEFFICIENT OF USE

LC CALL NUMBER BLOCK & NAME	COEFFICIENT OF USE	FOR EACH 100 PIECES AVAILABLE THERE WERE X CIRCULATIONS
16. BD - Speculative Philosophy	.3972125	39.72125
17. QM - Human Anatomy	.39306	39.30571
18. HV - Social Pathology	.3915077	39.15077
19. QR - Microbiology	.3828775	38.28775
20. TR - Photography	.351377	35.51377
21. BL - Religion, Mythology, Rationalism	.3531621	35.316
22. HA - Statistics	.343574	34.3574
23. NK - Decorative & Applied Arts	.3391123	33.911
24. UG - Military Engineering	.3211678	32.11678
25. GN - Anthropology	.3162393	31.62393
26. QP - Physiology	.3134672	31.34672
27. VK - Navigation Merchant Marine	.31111	31.111
28. NE - Print Media	.3058419	30.584
29. QH - Natural History	.299205	29.920446
30. TX - Home Economics	.2909482	29.09482

TABLE III.

LC CALL NUMBER BLOCKS ARRANGED BY THEIR COEFFICIENT OF USE

LC CALL NUMBER BLOCK & NAME	COEFFICIENT OF USE	FOR EACH 100 PIECES AVAILABLE THERE WERE X CIRCULATIONS
31. LB - Theory and Practice of Education	.28440	28.44
32. PZ - Fiction & Juvenile Literature	.2780783	27.8078
33. BJ - Ethics	.2664576	26.64576
34. VE - Marines	.25	25.
35. UD - Infantry	.25	25.
36. QL - Zoology	.2481873	24.81873
37. UB - Military Administration	.2479338	24.793
38. LC - Special Aspects of Education	.2434656	24.346
39. SF - Animal Culture	.2402783	24.02783
40. TD - Environmental Technology	.2402717	24.027
41. B - Philosophy	.2363028	23.630
42. RM - Therapeutics Pharmacology	.2326283	23.26283
43. DQ - Switzerland	.23148148	23.148148
44. QK - Botany	.230178192	23.0178
45. HE - Transportation & Communication	.2282842	22.8284

TABLE III.

LC CALL NUMBER BLOCKS ARRANGED BY THEIR COEFFICIENT OF USE

LC CALL NUMBER BLOCK & NAME	COEFFICIENT OF USE	FOR EACH 100 PIECES AVAILABLE THERE WERE X CIRCULATIONS
46. BH - Aesthetics	.220779	22.0779
47. UA - Armies	.2196531	21.9653
48. BP - Islam. Bahaism. Theosophy	.2121212	21.212
49. GC - Oceanography	.2120743	21.207
50. E - History - Ame !can	.2114079	21.14079
51. HN - Social History	.2105263	21.05263
52. GA - Mathematical Geography	.2098765	20.98765
53. QA - Mathematics	.2078295	20.78295
54. JF - General & Comparative Works	.2033492	20.3349
55. JK - United States	.2018209	20.182
56. DX - Gypsies	.20	20.
57. UE - Cavalry	.20	20.
58. RA - Public Aspects of Medicine	.19992	19.992
59. PC - Ramance Languages	.1992619	19.926
60. HF - Commerce	.1986535	19.865

TABLE III.

LC CALL NUMBER BLOCKS ARRANGED BY THEIR COEFFICIENT OF USE

LC CALL NUMBER BLOCK & NAME	COEFFICIENT OF USE	FOR EACH 100 PIECES AVAILABLE THERE WERE X CIRCULATIONS
61. BC - Logic	.1979166	19.79166
62. PS - American Literature	.195347	19.535
63. SB - Plant Culture	.1941501	19.415
64. SK - Hunting	.1929113	19.291
65. DU - Oceania (South Seas)	.1895604	18.956
66. CS - Geneology	.1885714	18.857
67. P - Philology and Linguistics	.1868833	18.688
68. U - Military Science	.1824104	18.241
69. RC - Internal Medicine	.182073	18.2073
70. TH - Building Construction	.1818181	18.18181
71. V - Naval Science	.1803278	18.03278
72. PE - English	.1792395	17.924
73. TL - Motor Vehicles. Aeronautics	.1788181	17.88181
74. NA - Architecture	.1758634	17.586
75. PN - Literature: Literary History & Coll	.1753112	17.531

TABLE III.

LC CALL NUMBER BLOCKS ARRANGED BY THEIR COEFFICIENT OF USE

LC CALL NUMBER BLOCK & NAME	COEFFICIENT OF USE	FOR EACH 100 PIECES AVAILABLE THERE WERE X CIRCULATIONS
76. N - Visual Arts	.1702185	17.022
77. BT - Doctrinal Theology	.1674958	16.74958
78. JC - Political Theory	.1660447	16.60447
79. TS - Manufacturers	.1660216	16.602
80. ML - Literature of Music	.1651633	16.516
81. G - Geography	.1632845	16.32845
82. UF - Artillery	.1632653	16.32653
83. PL - Eastern Asia. Africa & Oceania, Lang. & Literature	.1618589	16.186
84. QC - Physics	.15701375	15.701
85. GR - Folklore	.156	15.6
86. PJ - Oriental Languages and Literature	.1554878	15.549
87. CB - History of Civilization	.15510719	15.5107
88. HX - Socialism. Communism. Anarchism.	.154831	15.483
89. LF - Europe	.1538461	15.38461
90. K - Law	.1522187	15.22187

TABLE III.

LC CALL NUMBER BLOCKS ARRANGED BY THEIR COEFFICIENT OF USE

LC CALL NUMBER BLOCK & NAME	COEFFICIENT OF USE	FOR EACH 100 PIECES AVAILABLE THERE WERE X CIRCULATIONS
91. BM - Judaism	.1480144	14.80144
92. VM - Naval Architecture	.1479591	14.79591
93. HT - Communities. Classes. Races.	.1475992	14.75992
94. RT - Nursing	.1459854	14.59854
95. T - Technology (General)	.145200	14.520
96. QD - Chemistry	.142871	14.287
97. RB - Pathology	.1399671	13.9967
98. UC - Maintenance & Transportation	.1363636	13.636
99. PG - Slavic	.1362515	13.625
00. SH - Fish Culture	.1361702	13.617
01. F - U.S. Local History	.1349587	13.49587
02. HB - Economics	.132832	13.283
03. CJ - Numismatics	.132653	13.265
04. LJ - Student Fraternities & Societies, U.S.	.1324503	13.2450
05. HD - Land	.1301463	13.01463

TABLE III.

LC CALL NUMBER BLOCKS ARRANGED BY THEIR COEFFICIENT OF USE

LC CALL NUMBER BLOCK & NAME	COEFFICIENT OF USE	FOR EACH 100 PIECES AVAILABLE THERE WERE X CIRCULATIONS
106. LA - History of Education	.130033	13.00
107. PA - Classical Languages and Literature	.1295194	12.952
108. JA - Collections & General Works	.1256038	12.560
109. PF - West Germanic	.125	12.5
110. Q - Science	.1248155	12.48155
111. DS - Asia	.1222241	12.224
112. DH - Belgium	.118644	11.8644
113. QB - Astronomy	.11571675	11.571675
114. BS - The Bible & exegesis	.1155015	11.550
115. RZ - Other Systems of Medicine	.1153846	11.53846
116. TC - Hydraulic Engineering	.1140268	11.40268
117. QE - Geology	.11363636	11.36364
118. HG - Finance	.1125981	11.25981
119. PR - English Literature	.1116492	11.165
120. UH - Other Services	.1111111	11.111

TABLE III.

LC CALL NUMBER BLOCKS ARRANGED BY THEIR COEFFICIENT OF USE

LC CALL NUMBER BLOCK & NAME	COEFFICIENT OF USE	FOR EACH 100 PIECES AVAILABLE THERE WERE X CIRCULATIONS
121. HC - Economic History and Conditions	.1086285	10.86285
122. DP - Spain. Portugal.	.1083333	10.833
123. DG - Italy	.1047297	10.47297
124. TK - Electrical Engineering	.1033775	10.33775
125. PB - General Works	.1021992	10.220
126. HS - Societies: Secret Benevolent, etc.	.1010101	10.101
127. PQ - Romance Languages	.0994135	9.941
128. AG - Dictionaries	.0989	9.890
129. RK - Dentistry	.098305	9.8305
130. GB - Physical Geography	.0976965	9.76965
131. BX - Denominations & Sects	.0934089	9.341
132. PK - Indo - Iranian	.0912408	9.124
133. RF - Otorhinol aryngology	.089416	8.9416
134. R - Medicine	.0893446	8.93446
135. D - History (General)	.0880989	8.80989

TABLE III.

LC CALL NUMBER BLOCKS ARRANGED BY THEIR COEFFICIENT OF USE

LC CALL NUMBER BLOCK & NAME	COEFFICIENT OF USE	FOR EACH 100 PIECES AVAILABLE THERE WERE X CIRCULATIONS
136. TP - Chemical Technology	.0879224	8.792
137. BV - Practical Theology	.0878378	8.78378
138. SD - Forestry	.0864175	8.64175
139. L - Education	.0863956	8.63956
140. DF - Greece	.0857142	8.571
141. DT - Africa	.0843916	8.439
142. DC - France	.0824964	8.24964
143. DR - Eastern Europe	.0821917	8.219
144. DD - Germany	.078402	7.840
145. AZ - History of Science	.077922	7.792
146. HJ - Public Finance	.0762368	7.62368
147. RD - Surgery	.0761322	7.613
148. TA - Engineering (General)	.0759633	7.596
149. DJ - Holland	.075	7.50
150. BR - Christianity	.0733371	7.33371

TABLE III.

LC CALL NUMBER BLOCKS ARRANGED BY THEIR COEFFICIENT OF USE

LC CALL NUMBER BLOCK & NAME	COEFFICIENT OF USE	FOR EACH 100 PIECES AVAILABLE THERE WERE X CIRCULATIONS
151. H - Social Sciences	.0731878	7.31878
152. CT - Biography	.0722291	7.22291
153. TJ - Mechanical Engineering	.0707102	7.071
154. PT - Germanic Literature	.0703659	7.03659
155. NX - Arts in General	.0700636	7.006
156. TN - Mining Engineering	.0691657	6.91657
157. JS - Local Government	.0659536	6.595
158. DA - Great Britain	.0597609	5.976
159. PM - American Indian Language	.0584795	5.848
160. JQ - Asia. Africa. Australia. Oceania	.0581395	5.81395
161. TF - Railroad Engineering	.05625	5.625
162. M - Music	.056064	5.606
163. S - Agriculture	.0557912	5.579
164. DL - Scandinavia	.0553097	5.53097
165. JX - International Law and Relations	.0508555	5.08555

TABLE III.

LC CALL NUMBER BLOCKS ARRANGED BY THEIR COEFFICIENT OF USE

LC CALL NUMBER BLOCK & NAME	COEFFICIENT OF USE	FOR EACH 100 PIECES AVAILABLE THERE WERE X CIRCULATIONS
166. RS - Pharmacy & Materia Medica	.0479651	4.7965
167. DK - Russia	.0442225	4.422
168. AP - Periodicals	.042549	4.2549
169. HM - Sociology	.0418088	4.18088
170. LD - United States	.0412044	4.12044
171. JL - British & Latin Americas	.034632	3.4632
172. JN - Europe	.032	3.200
173. Z - Bibliography Library Science	.0317623	3.176
174. DB - Austria, Czechoslavakia, Hungary	.031496	3.1496
175. RE - Ophthalmology	.0306788	3.06788
176. VA - Navies	.0294117	2.941
177. PD - Germanic Languages	.0273037	2.730
178. AC - Collected Works	.0259481	2.5948
179. AE - Encyclopedias	.0259259	2.5925
180. AM - Museums	.024793	2.4793

TABLE III.

LC CALL NUMBER BLOCKS ARRANGED BY THEIR COEFFICIENT OF USE

LC CALL NUMBER BLOCK & NAME	COEFFICIENT OF USE	FOR EACH 100 PIECES AVAILABLE THERE WERE X CIRCULATIONS
181. J - Official Documents	.0238095	2.38095
182. TG - Bridge Engineering	.018018	1.8018
183. DE - Mediterranean	.0172413	1.724
184. TE - Highway Engineering	.0164512	1.645
185. AS - Academies and Learned Societies	.0141271	1.4127
186. JV - Colonies and Colonization	.0124223	1.242
187. PH - Finno-Ugrian, Basque Language & Literature	.010204	1.020
188. AY - Yearbooks, Almanacs, Directories	.003937	.3937
189. VG - Minor Services of Navies	0	0
190. VC - Naval Maintenance	0	0
191. VB - Naval Administration	0	0
192. LT - Textbooks	0	0
193. LH - College & School Mag & Newspapers	0	0
194. LG - Asia. Africa. Oceania.	0	0
195. LE - America-except U.S.	0	0

TABLE III.

LC CALL NUMBER BLOCKS ARRANGED BY THEIR COEFFICIENT OF USE

LC CALL NUMBER BLOCK & NAME	COEFFICIENT OF USE	FOR EACH 100 PIECES AVAILABLE THERE WERE X CIRCULATIONS
196. CR - Heraldry	0	0
197. CN - Epigraphy Inscriptions	0	0
198. CE - Technical Chronology	0	0
199. CD - Diplomatics	0	0
200. RX - Homeopathy	0	0
201. RV - Botanic . . . and Electic Medicine	0	0
202. RL - Dermatology	0	0
203. AN - Newspapers	0	0
204. AI - Indexes	0	0

TABLE IV.

LC CALL NUMBER BLOCKS ARRANGED BY
THEIR ABSOLUTE CIRCULATION TOTALS

LC CALL NUMBER BLOCK AND NAME	ABSOLUTE CIRCULATION*
1. BF Psychology	3265
2. PZ Fiction	2981
3. QH Natural History	2896
4. QL Zoology	2670
5. E History	2398
6. SF Animal Culture	2175
7. QA Mathematics	2097
8. RC Internal Medicine	2013
9. QC Physics	1996
10. QP Physiology	1904
11. HD Land	1903
12. PN Literature	1859
13. PR English Literature	1821
14. HQ The Family	1758
15. HF Commerce	1741
16. LB Theory and Practice of Education	1608
17. F U.S. Local History	1572
18. PS American Literature	1503
19. QD Chemistry	1499
20. GV Recreation	1463
21. QK Botany	1408
22. SB Plant Culture	1301

* Does not include McBee charges

TABLE IV.

LC CALL NUMBER BLOCKS ARRANGED BY
THEIR ABSOLUTE CIRCULATION TOTALS

LC CALL NUMBER BLOCK AND NAME	ABSOLUTE CIRCULATION*
23. B Philosophy	1130
24. HV Social Pathology	1088
25. PQ Romance Languages	1068
26. Q Science	1015
27. QR Microbiology	966
28. S Agriculture (General)	960
29. ML Literature of Music	824
30. ND Painting	786
31. TD Environmental Technology	778
32. SK Hunting	762
33. DS Asia	688
34. TX Home Economica	675
35. TK Electrical Engineering	655
36. N Visual Arts	631
37. TA Engineering (General)	621
38. HC Economic History and Conditions	598
39. K Law	590
40. HB Economics	583
41. QE Geology	575
42. BL Religions. Mythology. Rationalism.	564
43. RM Therapeutics. Pharmacology.	539
44. RJ Pediatrics	515

TABLE IV.

LC CALL NUMBER BLOCKS ARRANGED BY
THEIR ABSOLUTE CIRCULATION TOTALS

LC CALL NUMBER BLOCK AND NAME	ABSOLUTE CIRCULATION*
45. R Medicine (General)	514
46. LC Special Aspects of Education	503
47. RA Public Aspects of Medicine	500
48. SD Forestry	495
49. Z Bibliography. Library Science.	494
50. NK Decorative and Applied Arts	489
51. GN Anthropology	481
52. TL Motor Vehicles. Aeronautics.	466
53. NA Architecture	443
54. TS Manufacturers	429
55. T Technology (General)	416
56. NC Drawing. Design. Illustration.	414
57. JK United States	399
58. AP Periodicals (General)	392
59. TT Handicrafts	388
60. HG Finance	387
61. TP Chemical Technology	372
62. TR Photography	370
63. TC Hydraulic Engineering	365
64. QM Human Anatomy	351
65. G Geography	346
66. D History (General)	342

TABLE IV.

LC CALL NUMBER BLOCKS ARRANGED BY
THEIR ABSOLUTE CIRCULATION TOTALS

LC CALL NUMBER BLOCK AND NAME	ABSOLUTE CIRCULATION*
67. P Philology of Linguistics	322
68. HE Transportation and Communication	318
69. HN Social History	304
70. HA Statistics	303
71. PT Germanic Literatures	298
72. PE English	297
73. PA Classical Languages & Literature	283
74. RD Surgery	274
75. RB Pathology	256
76. HT Communities. Classes. Races	249
77. GT Manners & Customs	248
78. GB Physical Geography	246
79. RG Gynecology & Obstetrics	232
80. MT Music Instruction & Study	231
81. BD Speculative Philosophy	228
82. TJ Mechanical Engineering	225
83. SH Fish Culture	224
84. L Education	221
85. PG Slavic	221
86. BX Denominations and Sects	214
87. H Social Sciences	208
88. DT Africa	206

TABLE IV.

LC CALL NUMBER BLOCKS ARRANGED BY
THEIR ABSOLUTE CIRCULATION TOTALS

LC CALL NUMBER BLOCK AND NAME	ABSOLUTE CIRCULATION*
89. QB Astronomy	201
90. TH Building Construction	194
91. NB Sculpture	193
92. HJ Public Finance	188
93. DA Great Britain	180
94. JC Political Theory	178
95. BJ Ethics	170
96. LA History of Education	155
97. DU Oceania	138
98. GC Oceanography	137
99. HX Socialism. Communism. Anarchism.	133
100. TN Mining Engineering	131
101. BR Christianity	129
102. CB History of Civilization	123
103. DC France	115
104. JX International Law and Relations	107
105. DD Germany	106
106. JA Collections and General Works	104
107. PL Eastern Asia, Africa & Oceania, Language & Literature	101
108. BT Doctrinal Theology	101
109. M Music	98
110. HM Sociology	98

TABLE IV.

LC CALL NUMBER BLOCKS ARRANGED BY
THEIR ABSOLUTE CIRCULATION TOTALS

LC CALL NUMBER BLOCK AND NAME	ABSOLUTE CIRCULATION*
111. CC Archaeology	94
112. DG Italy	93
113. NE Print Media	89
114. JF General and Comparative Works	85
115. GF Anthropogeography	84
116. PB General Works	79
117. GR Folklore	78
118. UA Armies	76
119. BS The Bible and Exegesis	76
120. BC Logic	76
121. BV Practical Theology	65
122. DK Russia	62
123. CT Biography	58
124. U Military Science	56
125. PC Romance Languages	54
126. PJ Oriental Languages & Literature	51
127. BP Islam. Bahaism. Theosophy.	49
128. RF Otorhinolaryngology	49
129. RE Ophthalmology	47
130. UG Military Engineering	44
131. BM Judaism	41
132. DP Spain. Portugal.	39

TABLE IV.

LC CALL NUMBER BLOCKS ARRANGED BY
THEIR ABSOLUTE CIRCULATION TOTALS

LC CALL NUMBER BLOCK AND NAME	ABSOLUTE CIRCULATION*
133. DF Greece	39
134. JS Local Government	37
135. PF West German	37
136. BH Aesthetics	34
137. CS Genealogy	33
138. RS Pharmacy & Materia Medica	33
139. BQ Buddhism	31
140. JN Europe	32
141. DR Eastern Europe	30
142. JQ Asia. Africa. Australia, Oceania.	30
143. UB Military Administration	30
144. RK Dentistry	29
145. VM Naval Architecture	29
146. AS Academies and Learned Societies	28
147. LD United States	26
148. DL Scandinavia	25
149. DQ Switzerland	25
150. PK Indo-Iranian	25
151. LJ Student Fraternities & Societies, U.S.	20
152. RT Nursing	20
153. TF Railroad Engineering	18
154. GA Mathematical Geography	17

TABLE IV.

LC CALL NUMBER BLOCKS ARRANGED BY
THEIR ABSOLUTE CIRCULATION TOTALS

LC CALL NUMBER BLOCK AND NAME	ABSOLUTE CIRCULATION*
155. DB Austria. Czechoslovakia. Hungary.	16
156. VK Navigation. Merchant Marine.	14
157. TE Highway Engineering	14
158. AE Encyclopedias	14
159. CJ Numismatics	13
160. AC Collected Works	13
161. LF Europe	12
162. AZ History of Science	12
163. NX Arts in General	11
164. V Naval Science	11
165. PM American Indian Language	10
166. HS Societies: Secret, Benevolent	10
167. AG Dictionaries	9
168. UF Artillery	8
169. PD Germanic Languages	8
170. JL British & Latin Americas	8
171. DH Belgium	7
172. A General	7
173. J Official Documents	6
174. DJ Holland	6
175. PH Finno-Ugrian, Basque Language & Literature	4
176. VE Marines	4

TABLE IV.

LC CALL NUMBER BLOCKS ARRANGED BY
THEIR ABSOLUTE CIRCULATION TOTALS

LC CALL NUMBER BLOCK AND NAME	ABSOLUTE CIRCULATION*
177. JV Colonies and Colonization	4
178. DX Gypsies	4
179. UC Maintenance & Transportation	3
180. RZ Other Systems of Medicine	3
181. AM Museums	3
182. VA Navies	2
183. UH Other Services	2
184. UD Infantry	2
185. TG Bridge Engineering	2
186. UE Cavalry	1
187. DE Mediterranean	1
188. AY Yearbooks. Almanacs. Directories.	1
189. VG Minor Services & Navies	0
190. VC Naval Maintenance	0
191. VB Naval Administration	0
192. LT Textbooks	0
193. LH College and School Newspapers	0
194. LC Asia, Africa. Oceania.	0
195. LE America-except U.S.	0
196. CR Heraldry	0
197. CN Epigraphy	0
198. CD Diplomatics	0

TABLE IV.

LC CALL NUMBER BLOCKS ARRANGED BY
THEIR ABSOLUTE CIRCULATION TOTALS

LC CALL NUMBER BLOCK AND NAME	ABSOLUTE CIRCULATION*
199. CE Technical Chronology	0
200. RV Botanic...and Eclectic Medicine	0
201. RX Homeopathy	0
202. RL Dermatology	0
203. AN Newspapers	0
204. AI Indexes	0

TABLE V.

LC CALL NUMBER BLOCKS FOR WHICH ZERO CIRCULATION WAS RECORDED

LC CALL NUMBER BLOCK AND NAME	SHELVES OCCUPIED*	LINEAR INCHES* USED	LINES IN DAR P/O AT TIME OF COUNT	LINES IN STORAGE P/O	TOTAL PIECES BLOCK
1. AI - Indexes	14	281.5"	3	2	232
2. AN - Newspapers	2	6"	0	0	3
3. RL - Dermatology	10	207"	1	69	215
4. RV - Botanic and Eclectic Medicine	0	0	0	0	0
5. RX - Homeopathy	1	1"	0	0	1
6. CD - Diplomatics	7	103.5"	0	0	127
7. CE - Technical Chronology	2	10"	0	20	31
8. CN - Epigraphy	2	14"	0	0	15
9. CR - Heraldry	4	52"	1	0	50
10. LE - America-except U.S.	1	10"	0	0	11
11. LG - Asia, Africa, Oceania	2	17"	0	0	20
12. LH - College & School Magazines	4	70"	0	0	Unknow
13. LT - Textbooks	1	5"	0	0	4
14. VB - Naval Administration	2	14"	0	0	11
15. VC - Naval Maintenance	1	2"	0	0	1
16. VG - Minor Services & Navies	2	36"	0	0	19

* Regular plus Folio Shelves

OFFICE MEMO

TO: **Date** 2-26-76

FROM: R. W. Burns

SUBJECT: Co-efficient of Use--Supplement I. See Table 5 of original Report.

REMARKS:

There were 14 call number blocks showing no circulation check outs during winter quarter 1975. These were rechecked for the fall semester, 9/1/75 thru 12/19/75. 3 blocks showed check outs during this period.

	Student	Faculty	Non-CSU	Staff	Reserve	Station	ILL	Total
RL Dermatology	10	6	3	0	0	0	0	19
CD Diplomatics	2	0	0	0	0	0	0	2
CR Heraldry	10	0	2	1	0	1	0	14

The remaining 11 blocks showed no checkouts.

General
- AN Newspapers

Medicine
- RV Botanic and eclectic medicine
- RX Homeopathy

Auxiliary Sciences of History
- CE Technical Chronology
- CN Epigraphy

Education
- LE America, except United States
- LG Asia. Africa. Oceania.
- LT Textbooks

Naval Science
- VB Naval Administration
- VC Naval Maintenance
- VG Minor Services of Navies

Days in winter quarter 1975-- 90

Days in fall semester 1975-- 110

80g.

TABLE VI.

HISTOGRAM SHOWING THE DISTRIBUTION OF CIRCULATION RATES BY LC CALL NUMBER BLOCKS